

单片陶瓷电容器
RPE 系列

特点:

- 小尺寸大电容 • 高频低 ESR 特性 • 涂有环氧树脂, 其易燃性等效于 UL 94V-0



图 1 - 外部压接

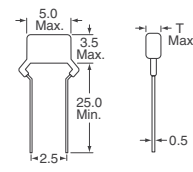


图 2 - 内部压接

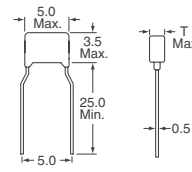
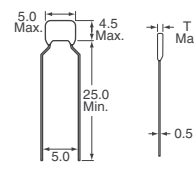


图 3 - 内部压接



| 图 | 类型 | WV Vdc | 电容 | 容差 | 尺寸 T (mm) | Digi-Key 零件编号 | 价格 10 | 100 | Murata 零件编号 | |
|---|-----|--------|---------|---------|-----------|---------------|-------|------|-------------|--------------------|
| 1 | COG | | 1.0pF | ±0.25pF | 2.5 | 490-3617-ND | 31 | 2.31 | 16.50 | RPE5C2A1R0C2P1B03B |
| | | | 1.2pF | ±0.25pF | 2.5 | 490-3618-ND | 31 | 2.28 | 16.30 | RPE5C2A1R2C2P1B03B |
| | | | 1.5pF | ±0.25pF | 2.5 | 490-3619-ND | 31 | 2.30 | 16.45 | RPE5C2A1R5C2P1B03B |
| | | | 1.8pF | ±0.25pF | 2.5 | 490-3620-ND | 31 | 2.30 | 16.45 | RPE5C2A1R8C2P1B03B |
| | | | 2.0pF | ±0.25pF | 2.5 | 490-3633-ND | 31 | 2.31 | 16.50 | RPE5C2A2R0C2P1B03B |
| | | | 2.2pF | ±0.25pF | 2.5 | 490-3634-ND | 31 | 2.30 | 16.45 | RPE5C2A2R2C2P1B03B |
| | | | 2.7pF | ±0.25pF | 2.5 | 490-3635-ND | 31 | 2.30 | 16.45 | RPE5C2A2R7C2P1B03B |
| | | | 3.0pF | ±0.25pF | 2.5 | 490-3643-ND | 31 | 2.31 | 16.50 | RPE5C2A3R0C2P1B03B |
| | | | 3.3pF | ±0.25pF | 2.5 | 490-3644-ND | 31 | 2.30 | 16.45 | RPE5C2A3R3C2P1B03B |
| | | | 3.6pF | ±0.25pF | 2.5 | 490-3645-ND | 31 | 2.28 | 16.30 | RPE5C2A3R6C2P1B03B |
| | | | 3.9pF | ±0.25pF | 2.5 | 490-3646-ND | 31 | 2.30 | 16.45 | RPE5C2A3R9C2P1B03B |
| | | | 4.7pF | ±0.25pF | 2.5 | 490-3653-ND | 29 | 2.12 | 15.15 | RPE5C2A4R7C2P1B03B |
| | | | 5.0pF | ±0.25pF | 2.5 | 490-3658-ND | 31 | 2.31 | 16.50 | RPE5C2A5R0C2P1B03B |
| | | | 5.6pF | ±0.25pF | 2.5 | 490-3659-ND | 37 | 2.71 | 19.38 | RPE5C2A5R6C2P1B03B |
| | | | 6.2pF | ±0.25pF | 2.5 | 490-3662-ND | 37 | 2.71 | 19.38 | RPE5C2A6R2C2P1B03B |
| | | | 6.8pF | ±0.25pF | 2.5 | 490-3663-ND | 37 | 2.71 | 19.38 | RPE5C2A6R8C2P1B03B |
| | | | 10pF | ±5% | 2.5 | 490-3623-ND | 31 | 2.31 | 16.50 | RPE5C2A100J2P1Z03B |
| | | | 11pF | ±5% | 2.5 | 490-3624-ND | 31 | 2.30 | 16.45 | RPE5C2A110J2P1Z03B |
| | | | 12pF | ±5% | 2.5 | 490-3626-ND | 31 | 2.31 | 16.50 | RPE5C2A120J2P1Z03B |
| | | | 13pF | ±5% | 2.5 | 490-3627-ND | 31 | 2.30 | 16.45 | RPE5C2A130J2P1Z03B |
| | | | 15pF | ±5% | 2.5 | 490-3629-ND | 31 | 2.31 | 16.50 | RPE5C2A150J2P1Z03B |
| | | | 16pF | ±5% | 2.5 | 490-3630-ND | 31 | 2.30 | 16.45 | RPE5C2A160J2P1Z03B |
| | | | 18pF | ±5% | 2.5 | 490-3632-ND | 31 | 2.31 | 16.50 | RPE5C2A180J2P1Z03B |
| | | | 20pF | ±5% | 2.5 | 490-3637-ND | 31 | 2.28 | 16.30 | RPE5C2A200J2P1Z03B |
| | | | 22pF | ±5% | 2.5 | 490-3639-ND | 31 | 2.31 | 16.50 | RPE5C2A220J2P1Z03B |
| | | | 24pF | ±5% | 2.5 | 490-3640-ND | 31 | 2.30 | 16.45 | RPE5C2A240J2P1Z03B |
| | | | 27pF | ±5% | 2.5 | 490-3642-ND | 31 | 2.31 | 16.50 | RPE5C2A270J2P1Z03B |
| | | | 30pF | ±5% | 2.5 | 490-3648-ND | 31 | 2.28 | 16.30 | RPE5C2A300J2P1Z03B |
| | | | 33pF | ±5% | 2.5 | 490-3650-ND | 31 | 2.31 | 16.50 | RPE5C2A330J2P1Z03B |
| | | | 39pF | ±5% | 2.5 | 490-3652-ND | 31 | 2.31 | 16.50 | RPE5C2A390J2P1Z03B |
| | | | 43pF | ±5% | 2.5 | 490-3655-ND | 31 | 2.30 | 16.45 | RPE5C2A430J2P1Z03B |
| | | | 47pF | ±5% | 2.5 | 490-3657-ND | 31 | 2.31 | 16.50 | RPE5C2A470J2P1Z03B |
| | | | 56pF | ±5% | 2.5 | 490-3661-ND | 31 | 2.31 | 16.50 | RPE5C2A560J2P1Z03B |
| | | | 75pF | ±5% | 2.5 | 490-3666-ND | 31 | 2.30 | 16.45 | RPE5C2A750J2P1Z03B |
| | | | 82pF | ±5% | 2.5 | 490-3668-ND | 31 | 2.31 | 16.50 | RPE5C2A820J2P1Z03B |
| | | | 91pF | ±5% | 2.5 | 490-3669-ND | 31 | 2.30 | 16.45 | RPE5C2A910J2P1Z03B |
| | | | 100pF | ±5% | 2.5 | 490-3622-ND | 28 | 2.10 | 14.98 | RPE5C2A101J2P1Z03B |
| | | | 120pF | ±5% | 2.5 | 490-3625-ND | 31 | 2.28 | 16.30 | RPE5C2A121J2P1Z03B |
| | | | 150pF | ±5% | 2.5 | 490-3628-ND | 31 | 2.30 | 16.45 | RPE5C2A151J2P1Z03B |
| | | | 180pF | ±5% | 2.5 | 490-3631-ND | 28 | 2.10 | 14.98 | RPE5C2A181J2P1Z03B |
| | | | 200pF | ±5% | 2.5 | 490-3636-ND | 31 | 2.30 | 16.45 | RPE5C2A201J2P1Z03B |
| | | | 220pF | ±5% | 2.5 | 490-3638-ND | 31 | 2.30 | 16.45 | RPE5C2A221J2P1Z03B |
| | | | 270pF | ±5% | 2.5 | 490-3641-ND | 28 | 2.10 | 14.98 | RPE5C2A271J2P1Z03B |
| | | | 300pF | ±5% | 2.5 | 490-3647-ND | 32 | 2.38 | 17.03 | RPE5C2A301J2P1Z03B |
| | | | 330pF | ±5% | 2.5 | 490-3649-ND | 32 | 2.38 | 17.03 | RPE5C2A331J2P1Z03B |
| | | | 390pF | ±5% | 2.5 | 490-3651-ND | 33 | 2.40 | 17.18 | RPE5C2A391J2P1Z03B |
| | | | 430pF | ±5% | 2.5 | 490-3654-ND | 34 | 2.51 | 17.93 | RPE5C2A431J2P1Z03B |
| | | | 470pF | ±5% | 2.5 | 490-3656-ND | 34 | 2.49 | 17.78 | RPE5C2A471J2P1Z03B |
| | | | 560pF | ±5% | 2.5 | 490-3660-ND | 31 | 2.28 | 16.30 | RPE5C2A561J2P1B03B |
| | | | 680pF | ±5% | 2.5 | 490-3664-ND | 38 | 2.81 | 20.08 | RPE5C2A681J2P1B03B |
| | | | 750pF | ±5% | 2.5 | 490-3665-ND | 38 | 2.81 | 20.08 | RPE5C2A751J2P1B03B |
| | | | 820pF | ±5% | 3.15 | 490-3667-ND | 35 | 2.56 | 18.30 | RPE5C2A821J2P1B03B |
| | | | 1,000pF | ±5% | 3.15 | 490-3621-ND | 41 | 3.01 | 21.53 | RPE5C2A102J2P1Z03B |
| | | | 1.0pF | ±0.25pF | 2.5 | 490-3670-ND | 30 | 2.24 | 16.03 | RPE5C1H1R0C2P1B03B |
| | | | 1.2pF | ±0.25pF | 2.5 | 490-3671-ND | 30 | 2.22 | 15.85 | RPE5C1H1R2C2P1B03B |
| | | | 1.5pF | ±0.25pF | 2.5 | 490-3672-ND | 30 | 2.22 | 15.85 | RPE5C1H1R5C2P1B03B |
| | | | 2.0pF | ±0.25pF | 2.5 | 490-3700-ND | 30 | 2.24 | 16.03 | RPE5C1H2R0C2P1B03B |
| | | | 2.2pF | ±0.25pF | 2.5 | 490-3701-ND | 30 | 2.22 | 15.85 | RPE5C1H2R2C2P1B03B |
| | | | 2.7pF | ±0.25pF | 2.5 | 490-3702-ND | 30 | 2.24 | 16.03 | RPE5C1H2R7C2P1B03B |
| | | | 3.0pF | ±0.25pF | 2.5 | 490-3717-ND | 30 | 2.24 | 16.03 | RPE5C1H3R0C2P1B03B |
| | | | 3.3pF | ±0.25pF | 2.5 | 490-3718-ND | 30 | 2.24 | 16.03 | RPE5C1H3R3C2P1B03B |
| | | | 3.9pF | ±0.25pF | 2.5 | 490-3719-ND | 28 | 2.06 | 14.73 | RPE5C1H3R9C2P1B03B |
| | | | 4.0pF | ±0.25pF | 2.5 | 490-3734-ND | 30 | 2.24 | 16.03 | RPE5C1H4R0C2P1B03B |
| | | | 4.7pF | ±0.25pF | 2.5 | 490-3735-ND | 30 | 2.22 | 15.85 | RPE5C1H4R7C2P1B03B |
| | | | 5.1pF | ±0.25pF | 2.5 | 490-3743-ND | 35 | 2.60 | 18.58 | RPE5C1H5R1C2P1B03B |
| | | | 5.6pF | ±0.25pF | 2.5 | 490-3744-ND | 35 | 2.60 | 18.58 | RPE5C1H5R6C2P1B03B |
| | | | 6.0pF | ±0.5pF | 2.5 | 490-3752-ND | 30 | 2.24 | 16.03 | RPE5C1H6R0D2P1B03B |
| | | | 6.8pF | ±0.25pF | 2.5 | 490-3753-ND | 35 | 2.60 | 18.58 | RPE5C1H6R8C2P1B03B |
| | | | 7.0pF | ±0.5pF | 2.5 | 490-3760-ND | 30 | 2.24 | 16.03 | RPE5C1H7R0D2P1Z03B |
| | | | 8.0pF | ±0.5pF | 2.5 | 490-3763-ND | 30 | 2.24 | 16.03 | RPE5C1H8R0D2P1Z03B |
| | | | 8.2pF | ±0.25pF | 2.5 | 490-3764-ND | 35 | 2.60 | 18.58 | RPE5C1H8R2C2P1Z03B |
| | | | 9.0pF | ±0.5pF | 2.5 | 490-3771-ND | 30 | 2.24 | 16.03 | RPE5C1H9R0D2P1Z03B |
| | | | 9.1pF | ±0.25pF | 2.5 | 490-3772-ND | 36 | 2.62 | 18.73 | RPE5C1H9R1C2P1Z03B |
| | | | 10pF | ±5% | 2.5 | 490-3678-ND | 30 | 2.24 | 16.03 | RPE5C1H100J2P1Z03B |
| | | | 12pF | ±5% | 2.5 | 490-3684-ND | 30 | 2.24 | 16.03 | RPE5C1H120J2P1Z03B |
| | | | 13pF | ±5% | 2.5 | 490-3686-ND | 30 | 2.24 | 16.03 | RPE5C1H130J2P1Z03B |
| | | | 15pF | ±5% | 2.5 | 490-3691-ND | 30 | 2.24 | 16.03 | RPE5C1H150J2P1Z03B |
| | | | 18pF | ±5% | 2.5 | 490-3697-ND | 30 | 2.24 | 16.03 | RPE5C1H180J2P1Z03B |
| | | | 20pF | ±5% | 2.5 | 490-3703-ND | 30 | 2.24 | 16.03 | RPE5C1H200J2P1Z03B |
| | | | 22pF | ±5% | 2.5 | 490-3708-ND | 30 | 2.24 | 16.03 | RPE5C1H220J2P1Z03B |
| | | | 24pF | ±5% | 2.5 | 490-3710-ND | 30 | 2.24 | 16.03 | RPE5C1H240J2P1Z03B |
| | | | 27pF | ±5% | 2.5 | 490-3714-ND | 30 | 2.24 | 16.03 | RPE5C1H270J2P1Z03B |
| | | | 30pF | ±5% | 2.5 | 490-3721-ND | 30 | 2.22 | 15.85 | RPE5C1H300J2P1Z03B |
| | | | 33pF | ±5% | 2.5 | 490-3725-ND | 30 | 2.24 | 16.03 | RPE5C1H330J2P1Z03B |
| | | | 39pF | ±5% | 2.5 | 490-3731-ND | 30 | 2.24 | 16.03 | RPE5C1H390J2P1Z03B |
| | | | 43pF | ±5% | 2.5 | 490-3736-ND | 30 | 2.24 | 16.03 | RPE5C1H430J2P1Z03B |
| | | | 47pF | ±5% | 2.5 | 490-3740-ND | 30 | 2.24 | 16.03 | RPE5C1H470J2P1Z03B |
| | | | 51pF | ±5% | 2.5 | 490-3745-ND | 30 | 2.22 | 15.85 | RPE5C1H510J2P1Z03B |
| | | | 56pF | ±5% | 2.5 | 490-3749-ND | 30 | 2.24 | 16.03 | RPE5C1H560J2P1Z03B |

| 图 | 类型 | WV Vdc | 电容 | 容差 | 尺寸 T (mm) | Digi-Key 零件编号 | 价格 10 | 100 | Murata 零件编号 | |
|---|-----|--------|---------|-----|-----------|---------------|-------|------|-------------|--------------------|
| 1 | COG | | 68pF | ±5% | 2.5 | 490-3757-ND | 30 | 2.24 | 16.03 | RPE5C1H680J2P1Z03B |
| | | | 75pF | ±5% | 2.5 | 490-3761-ND | 30 | 2.24 | 15.98 | RPE5C1H750J2P1Z03B |
| | | | 82pF | ±5% | 2.5 | 490-3768-ND | 30 | 2.24 | 16.03 | RPE5C1H820J2P1Z03B |
| | | | 91pF | ±5% | 2.5 | 490-3773-ND | 30 | 2.22 | 15.85 | RPE5C1H910J2P1Z03B |
| | | | 100pF | ±5% | 2.5 | 490-3676-ND | 30 | 2.18 | 15.55 | RPE5C1H101J2P1A03B |
| | | | 120pF | ±5% | 2.5 | 490-3682-ND | 30 | 2.18 | 15.55 | RPE5C1H121J2P1A03B |
| | | | 150pF | ±5% | 2.5 | 490-3689-ND | 30 | 2.18 | 15.55 | RPE5C1H151J2P1A03B |
| | | | 180pF | ±5% | 2.5 | 490-3695-ND | 30 | 2.18 | 15.55 | RPE5C1H181J2P1A03B |
| | | | 220pF | ±5% | 2.5 | 490-3706-ND | 30 | 2.18 | 15.55 | RPE5C1H221J2P1A03B |
| | | | 270pF | ±5% | 2.5 | 490-3712-ND | 30 | 2.18 | 15.55 | RPE5C1H271J2P1A03B |
| | | | 300pF | ±5% | 2.5 | 490-3720-ND | 30 | 2.22 | 15.85 | RPE5C1H301J2P1A03B |
| | | | 330pF | ±5% | 2.5 | 490-3723-ND | 30 | 2.24 | 16.03 | RPE5C1H331J2P1A03B |
| | | | 360pF | ±5% | 2.5 | 490-3727-ND | 30 | 2.22 | 15.85 | RPE5C1H361J2P1A03B |
| | | | 390pF | ±5% | 2.5 | 490-3729-ND | 30 | 2.24 | 16.03 | RPE5C1H391J2P1A03B |
| | | | 470pF | ±5% | 2.5 | 490-3738-ND | 32 | 2.33 | 16.68 | RPE5C1H471J2P1A03B |
| | | | 560pF | ±5% | 2.5 | 490-3747-ND | 32 | 2.33 | 16.68 | RPE5C1H561J2P1A03B |
| | | | 680pF | ±5% | 2.5 | 490-3755-ND | 34 | 2.50 | 17.85 | RPE5C1H681J2P1A03B |
| | | | 820pF | ±5% | 2.5 | 490-3766-ND | 34 | 2.50 | 17.85 | RPE5C1H821J2P1A03B |
| | | | 1,000pF | ±5% | 2.5 | 490-3674-ND | 38 | 2.83 | 20.23 | RPE5C1H102J2P1A03B |
| | | | 1,200pF | ±5% | 3.15 | 490-3680-ND | 38 | 2.83 | 20.23 | RPE5C1H122J2P1A03B |
| | | | 1,500pF | ±5% | 3.15 | 490-3687-ND | 45 | 3.33 | 23.75 | RPE5C1H152J2P1A03B |

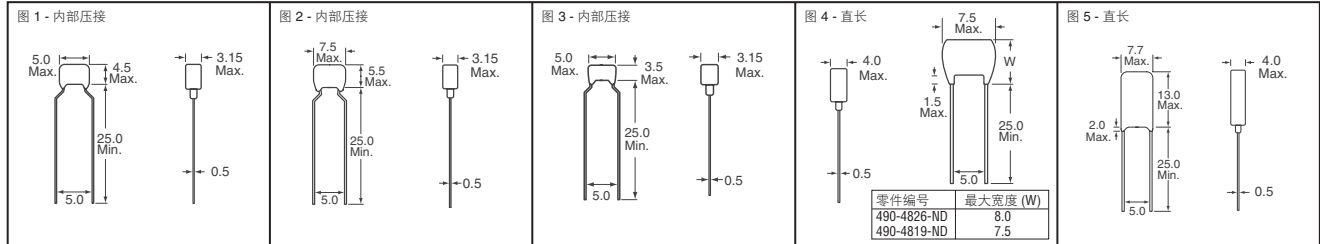
| 图 | 类型 | WV VDC | 电容 | 容差 | 尺寸 T (mm) | Digi-Key 零件编号 | 价格 | | | Murata 零件编号 |
|---|-----|--------|---------|--------|-----------|---------------|----|------|-------|--------------------|
| | | | | | | | 1 | 10 | 100 | |
| 2 | COG | 50 | 8.0pF | ±0.5pF | 2.5 | 490-3770-ND | 30 | 2.24 | 16.03 | RPE5C1H8R0D2K1Z03B |
| | | | 10pF | ±5% | 2.5 | 490-3679-ND | 30 | 2.24 | 16.03 | RPE5C1H10J02K1Z03B |
| | | | 12pF | ±5% | 2.5 | 490-3685-ND | 30 | 2.24 | 16.03 | RPE5C1H12J02K1Z03B |
| | | | 15pF | ±5% | 2.5 | 490-3692-ND | 30 | 2.24 | 16.03 | RPE5C1H15J02K1Z03B |
| | | | 18pF | ±5% | 2.5 | 490-3698-ND | 30 | 2.24 | 16.03 | RPE5C1H18J02K1Z03B |
| | | | 22pF | ±5% | 2.5 | 490-3709-ND | 30 | 2.24 | 16.03 | RPE5C1H22J02K1Z03B |
| | | | 27pF | ±5% | 2.5 | 490-3715-ND | 30 | 2.24 | 16.03 | RPE5C1H27J02K1Z03B |
| | | | 33pF | ±5% | 2.5 | 490-3726-ND | 30 | 2.24 | 16.03 | RPE5C1H33J02K1Z03B |
| | | | 39pF | ±5% | 2.5 | 490-3732-ND | 30 | 2.24 | 16.03 | RPE5C1H39J02K1Z03B |
| | | | 47pF | ±5% | 2.5 | 490-3741-ND | 30 | 2.24 | 16.03 | RPE5C1H47J02K1Z03B |
| | | | 56pF | ±5% | 2.5 | 490-3750-ND | 30 | 2.24 | 16.03 | RPE5C1H56J02K1A03B |
| | | | 68pF | ±5% | 2.5 | 490-3758-ND | 30 | 2.24 | 16.03 | RPE5C1H68J02K1Z03B |
| | | | 82pF | ±5% | 2.5 | 490-3769-ND | 30 | 2.24 | 16.03 | RPE5C1H82J02K1Z03B |
| | | | 100pF | ±5% | 2.5 | 490-3677-ND | 30 | 2.18 | 15.55 | RPE5C1H101J2K1A03B |
| | | | 120pF | ±5% | 2.5 | 490-3683-ND | 30 | 2.18 | 15.55 | RPE5C1H121J2K1A03B |
| | | | 150pF | ±5% | 2.5 | 490-3690-ND | 30 | 2.18 | 15.55 | RPE5C1H151J2K1A03B |
| | | | 180pF | ±5% | 2.5 | 490-3696-ND | 30 | 2.18 | 15.55 | RPE5C1H181J2K1A03B |
| | | | 220pF | ±5% | 2.5 | 490-3707-ND | 30 | 2.18 | 15.55 | RPE5C1H221J2K1A03B |
| | | | 270pF | ±5% | 2.5 | 490-3713-ND | 30 | 2.18 | 15.55 | RPE5C1H271J2K1A03B |
| | | | 330pF | ±5% | 2.5 | 490-3724-ND | 30 | 2.24 | 16.03 | RPE5C1H331J2K1A03B |
| | | | 390pF | ±5% | 2.5 | 490-3730-ND | 30 | 2.24 | 16.03 | RPE5C1H391J2K1A03B |
| | | | 470pF | ±5% | 2.5 | 490-3739-ND | 32 | 2.33 | 16.68 | RPE5C1H471J2K1A03B |
| | | | 560pF | ±5% | 2.5 | 490-3748-ND | 32 | 2.33 | 16.68 | RPE5C1H561J2K1A03B |
| | | | 680pF | ±5% | 2.5 | 490-3756-ND | 34 | 2.50 | 17.85 | RPE5C1H681J2K1A03B |
| | | | 820pF | ±5% | 2.5 | 490-3767-ND | 34 | 2.50 | 17.85 | RPE5C1H821J2K1A03B |
| | | | 1,000pF | ±5% | 2.5 | 490-3675-ND | 38 | 2.83 | 20.23 | RPE5C1H102J2K1A03B |
| | | | 1,200pF | ±5% | 3.15 | 490-3681-ND | 38 | 2.83 | 20.23 | RPE5C1H122J2K1A03B |
| | | | 1,500pF | ±5% | 3.15 | 490-3688-ND | 45 | 3.33 | 23.75 | RPE5C1H152J2K1A03B |
| | | | 1,800pF | ±5% | 3.15 | 490-3694-ND | 46 | 3.36 | 23.98 | RPE5C1H182J2K1A03B |
| | | | 2,200pF | ±5% | 3.15 | 490-3705-ND | 46 | 3.36 | 23.98 | RPE5C1H222J2K1A03B |
| | | | 2,700pF | ±5% | 3.15 | 490-3711-ND | 46 | 3.36 | 23.98 | RPE5C1H272J2K1A03B |
| | | | 3,300pF | ±5% | 3.15 | 490-3722-ND | 51 | 3.72 | 26.60 | RPE5C1H332J2K1A03B |
| | | | 3,900pF | ±5% | 3.15 | 490-3728-ND | 54 | 3.98 | 28.43 | RPE5C1H392J2K1A03B |
| | | | 4,700pF | ±5% | 3.15 | 490-3737-ND | 56 | 4.10 | 29.30 | RPE5C1H472J2K1A03B |
| | | | 5,600pF | ±5% | 3.15 | 490-3746-ND | 56 | 4.10 | 29.30 | RPE5C1H562J2K1A03B |

| 图 | 类型 | WV VDC | 电容 | 容差 | 尺寸 T (mm) | Digi-Key 零件编号 | 价格 | | | Murata 零件编号 |
|-------|------|--------|-------------|----------|-----------|---------------|--------------------|-------|-------|---------------------|
| | | | | | | | 1 | 10 | 100 | |
| 2 | COG | 50 | 6,800pF | ±5% | 3.15 | 490-3754-ND | .60 | 4.45 | 31.75 | RPE5C1H682J2K1C03B |
| | | | 8,200pF | ±5% | 3.15 | 490-3765-ND | .64 | 4.75 | 33.93 | RPE5C1H822J2K1C03B |
| | | | 10,000pF | ±5% | 3.15 | 490-3673-ND | .69 | 5.05 | 36.10 | RPE5C1H103J2K1C03B |
| | | | 220pF | ±10% | 2.5 | 490-3830-ND | .22 | 1.66 | 11.83 | RPER71H221K2K1A03B |
| | | | 330pF | ±10% | 2.5 | 490-3838-ND | .22 | 1.60 | 11.43 | RPER71H331K2K1A03B |
| | | | 470pF | ±10% | 2.5 | 490-3847-ND | .21 | 1.58 | 11.25 | RPER71H471K2K1A03B |
| | | | 680pF | ±10% | 2.5 | 490-3857-ND | .22 | 1.61 | 11.48 | RPER71H681K2K1A03B |
| | | | 1,000pF | ±10% | 2.5 | 490-3815-ND | .22 | 1.60 | 11.43 | RPER71H102K2K1A03B |
| | | | 1,500pF | ±10% | 2.5 | 490-3821-ND | .23 | 1.73 | 12.35 | RPER71H152K2K1A03B |
| | | | 2,200pF | ±10% | 2.5 | 490-3828-ND | .22 | 1.60 | 11.43 | RPER71H222K2K1A03B |
| | | | 3,300pF | ±10% | 2.5 | 490-3836-ND | .24 | 1.75 | 12.53 | RPER71H332K2K1A03B |
| | | | 4,700pF | ±10% | 2.5 | 490-3845-ND | .22 | 1.62 | 11.60 | RPER71H472K2K1A03B |
| | | | 6,800pF | ±10% | 2.5 | 490-3855-ND | .24 | 1.75 | 12.53 | RPER71H682K2K1A03B |
| | | | 10,000pF | ±10% | 2.5 | 490-3813-ND | .17 | 1.23 | 8.80 | RPER71H103K2K1A03B |
| | | | 15,000pF | ±10% | 2.5 | 490-3819-ND | .24 | 1.75 | 12.53 | RPER71H153K2K1A03B |
| | | | 22,000pF | ±10% | 2.5 | 490-3826-ND | .19 | 1.40 | 10.00 | RPER71H223K2K1A03B |
| | | | 33,000pF | ±10% | 3.15 | 490-3834-ND | .21 | 1.53 | 10.93 | RPER71H333K2K1A03B |
| | | | 47,000pF | ±10% | 3.15 | 490-3843-ND | .21 | 1.53 | 10.95 | RPER71H473K2K1A03B |
| | | | 68,000pF | ±10% | 3.15 | 490-3853-ND | .34 | 2.49 | 17.75 | RPER71H683K2K1A03B |
| | | | 1.1μF | ±10% | 3.15 | 490-3811-ND | .16 | 1.21 | 8.63 | RPER71H104K2K1A03B |
| 1.5μF | ±10% | 3.15 | 490-3817-ND | .58 | 4.25 | 30.35 | RPER71H154K2K1C03B | | | |
| 2.2μF | ±10% | 3.15 | 490-3824-ND | .51 | 3.78 | 27.00 | RPER71H224K2K1C03B | | | |
| 3.3μF | ±10% | 3.15 | 490-3832-ND | .67 | 4.92 | 35.15 | RPER71H334K2K1C03B | | | |
| 4.7μF | ±10% | 3.15 | 490-3841-ND | .64 | 4.70 | 33.60 | RPER71H474K2K1C03B | | | |
| 3 | X7R | 50 | 1,000pF | ±80%-20% | 2.5 | 490-3861-ND | .24 | 1.78 | 12.70 | RPEF51H1022Z2K1A03B |
| | | | 2,200pF | ±80%-20% | 2.5 | 490-3864-ND | .24 | 1.78 | 12.70 | RPEF51H222Z2K1A03B |
| | | | 4,700pF | ±80%-20% | 2.5 | 490-3867-ND | .24 | 1.78 | 12.70 | RPEF51H472Z2K1A03B |
| | | | 10,000pF | ±80%-20% | 2.5 | 490-3860-ND | .19 | 1.37 | 9.80 | RPEF51H103Z2K1A03B |
| | | | 22,000pF | ±80%-20% | 2.5 | 490-3863-ND | .19 | 1.41 | 10.05 | RPEF51H223Z2K1A03B |
| | | | 2,700pF | ±80%-20% | 2.5 | 490-3866-ND | .19 | 1.41 | 10.05 | RPEF51H473Z2K1A03B |
| | | | 3,300pF | ±80%-20% | 2.5 | 490-3859-ND | .10 | 0.76 | 5.45 | RPEF51H104Z2K1A03B |
| | | | 3,900pF | ±80%-20% | 3.15 | 490-3862-ND | .22 | 1.65 | 11.75 | RPEF51H224Z2K1A03B |
| | | | 4,700pF | ±80%-20% | 3.15 | 490-3865-ND | .33 | 2.46 | 17.60 | RPEF51H474Z2K1C03B |
| | | | 5,600pF | ±80%-20% | 3.15 | 490-3851-ND | 1.63 | 12.00 | 85.73 | RPER71H684K3K1C03B |

RDE 系列

特点: • 小尺寸大电容 • 高频低 ESR 特性 • 涂有环氧树脂, 其易燃性等效于 UL 94V-0

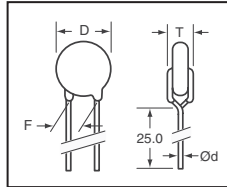
尺寸: mm



| 图 | 类型 | WV VDC | 电容 | 容差 | Digi-Key 零件编号 | 价格 | Murata 零件编号 | | |
|----------|-----|--------|----------|------|---------------|------|-------------|--------|--------------------|
| 1 | 2 | 5 | 1 | 10 | 100 | | | | |
| 1 | X7R | 200 | .1μF | ±10% | 490-3791-ND | 2.12 | 15.63 | 111.65 | RDER72D104K3K1C11B |
| 2 | X7R | 500 | .1μF | ±10% | 490-3796-ND | 6.60 | 48.63 | 347.33 | RDER72H104K8K1C11B |
| 5 | X7R | 500 | .47μF | ±20% | 490-3806-ND | 5.12 | 37.73 | 269.50 | RDER72H474MUB1C13B |
| 更优秀的额定电压 | | | | | | | | | |
| 1 | X7R | 630 | 22,000pF | ±10% | 490-4827-ND | 1.06 | 7.82 | 55.83 | RDER72J223K3K1C11B |
| | | 630 | 33,000pF | ±10% | 490-4829-ND | 1.10 | 8.07 | 57.65 | RDER72J333K3K1C11B |
| | | 630 | 47,000pF | ±10% | 490-4832-ND | 1.36 | 10.01 | 71.50 | RDER72J473K3K1C11B |
| | | 250 | 68,000pF | ±10% | 490-4820-ND | .99 | 7.30 | 52.18 | RDER72E683K3K1C11B |
| | | 250 | .1μF | ±10% | 490-4816-ND | .99 | 7.30 | 52.18 | RDER72E104K3K1C11B |
| 2 | X7R | 630 | .10μF | ±10% | 490-4821-ND | 2.04 | 15.07 | 107.63 | RDER72J104K8K1C11B |
| | | 250 | .22μF | ±10% | 490-4818-ND | 2.06 | 15.17 | 108.35 | RDER72E224K8K1C11B |

| 图 | 类型 | WV VDC | 电容 | 容差 | Digi-Key 零件编号 | 价格 | Murata 零件编号 | | |
|---|-----|--------|----------|------|---------------|------|-------------|--------|--------------------|
| 1 | 10 | 100 | | | | | | | |
| 3 | X7R | 630 | 1,000pF | ±10% | 490-4823-ND | .73 | 5.41 | 38.68 | RDRE72J102K2K1C11B |
| | | 630 | 1,500pF | ±10% | 490-4825-ND | .76 | 5.57 | 39.78 | RDRE72J152K2K1C11B |
| | | 630 | 2,200pF | ±10% | 490-4828-ND | .78 | 5.77 | 41.23 | RDRE72J222K2K1C11B |
| | | 630 | 3,300pF | ±10% | 490-4830-ND | .78 | 5.77 | 41.23 | RDRE72J332K2K1C11B |
| | | 630 | 4,700pF | ±10% | 490-4833-ND | .79 | 5.82 | 41.60 | RDRE72J472K2K1C11B |
| | | 630 | 6,800pF | ±10% | 490-4834-ND | .83 | 6.13 | 43.78 | RDRE72J682K2K1C11B |
| | | 630 | 10,000pF | ±10% | 490-4822-ND | .83 | 6.13 | 43.78 | RDRE72J103K2K1C11B |
| | | 630 | 15,000pF | ±10% | 490-4824-ND | .83 | 6.13 | 43.78 | RDRE72J153K2K1C11B |
| | | 250 | 15,000pF | ±10% | 490-4817-ND | .83 | 6.08 | 43.43 | RDRE72E153K2K1C11B |
| | | 4 | X7R | 630 | .22μF | ±10% | 490-4826-ND | 3.40 | 25.08 |
| 5 | X7R | 250 | .47μF | ±10% | 490-4819-ND | 3.36 | 24.77 | 176.93 | RDRE72E474K5B1C13B |
| 5 | X7R | 630 | .47μF | ±20% | 490-4831-ND | 6.09 | 44.89 | 320.65 | RDRE72J474MUB1C13B |

经过安全认证的陶瓷电容器



| 温度特性 | 电容变化 | 温度范围 |
|------|--------------------|--------------|
| SL | 350 -- -1000ppm/°C | -20°C - 85°C |
| B | 最大 ±10% | -25°C - 85°C |
| E | 20, -55% 最大 | |
| F | 30, -80% 最大 | |

| 电容 (pF) | 电容公差 (%) | 温度特性 | 尺寸 (mm) | Digi-Key 零件编号 | 价格 | Murata 零件编号 | | |
|---------------|----------|------|----------------|---------------|-----|-------------|-------|----------------|
| D | od | F | T | 1 | 10 | 100 | | |
| KH 系列 | | | | | | | | |
| 基本绝缘型X1, Y2 类 | | | | | | | | |
| 220 | ±10 | B | 8 0.6 7.5 7.0 | 490-4208-ND | .20 | 1.47 | 10.48 | DE2B3KH221KA3B |
| 330 | ±10 | B | 8 0.6 7.5 7.0 | 490-4209-ND | .20 | 1.48 | 10.55 | DE2B3KH331KA3B |
| 470 | ±10 | B | 8 0.6 7.5 7.0 | 490-4210-ND | .20 | 1.44 | 10.30 | DE2B3KH471KA3B |
| 680 | ±10 | B | 9 0.6 7.5 7.0 | 490-4211-ND | .21 | 1.56 | 11.18 | DE2B3KH681KA3B |
| 1,000 | ±20 | E | 8 0.6 7.5 7.0 | 490-4212-ND | .20 | 1.48 | 10.55 | DE2E3KH102MA3B |
| 1,500 | ±20 | E | 9 0.6 7.5 7.0 | 490-4213-ND | .22 | 1.62 | 11.58 | DE2E3KH152MA3B |
| 2,200 | ±20 | E | 10 0.6 7.5 7.0 | 490-4214-ND | .24 | 1.80 | 12.85 | DE2E3KH222MA3B |
| 3,300 | ±20 | E | 12 0.6 7.5 7.0 | 490-4215-ND | .3 | | | |