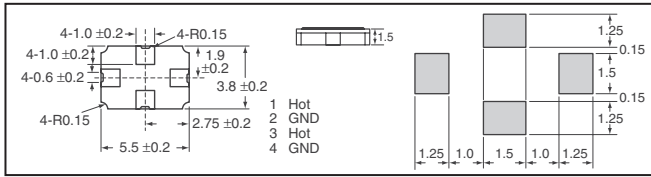




PARS Series (SAW Resonators)



Specifications: • Operating Temperature: -40°C ~ 85°C **Features:** • Low profile • Highly reliable SMD ceramic package • Excellent temperature characteristics **Applications:** • Keyless entry systems (automotive) • Garage door openers • Security systems • 1 port type SMD resonator

Frequency (MHz)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel Pricing 2,000	AVX Part No.
		1	10	100			
315.00	478-2115-1-ND	1.46	1.25	.98	478-2115-2-ND	582.12/M	PARS315.00K04R
418.00	478-2116-1-ND	1.46	1.25	.98	478-2116-2-ND	582.12/M	PARS418.00K04R
433.92	478-2117-1-ND	1.46	1.25	.98	478-2117-2-ND	582.12/M	PARS433.92K04R



Ceramic Resonators - Surface Mount



D

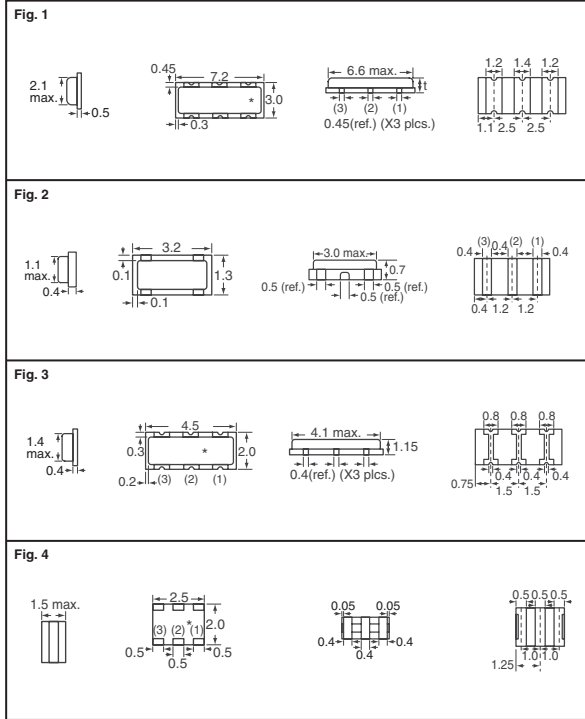


Fig.	Frequency (MHz)	Operating Temperature	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel* Qty.	Murata Part No.
				1	10	100		
CSTCC-G Series - Commercial								
1	2.00	-20°C ~ 80°C	490-1193-1-ND	.44	.37	.29	2,000	221.76/M
	3.58	-20°C ~ 80°C	490-1194-1-ND	.39	.33	.25	2,000	194.04/M
CSTCC-G Series - Industrial								
1	2.00	-40°C ~ 125°C	490-1216-1-ND	.46	.40	.32	2,000	186.42/M
CSTCE-G and CSTCR-G Series - Commercial								
2	8.00	-20°C ~ 80°C	490-1195-1-ND	.33	.28	.22	3,000	167.02/M
	10.00	-20°C ~ 80°C	490-1196-1-ND	.33	.28	.22	3,000	167.02/M
	12.00	-20°C ~ 80°C	490-1197-1-ND	.33	.28	.22	3,000	167.02/M
3	4.00	-20°C ~ 80°C	490-1200-1-ND	.30	.26	.20	3,000	151.08/M
	4.19	-20°C ~ 80°C	490-1201-1-ND	.30	.26	.20	3,000	151.08/M
	4.91	-20°C ~ 80°C	490-1202-1-ND	.30	.26	.20	3,000	151.08/M
	5.00	-20°C ~ 80°C	490-1203-1-ND	.30	.26	.20	3,000	151.08/M
	6.00	-20°C ~ 80°C	490-1204-1-ND	.30	.26	.20	3,000	151.08/M
	6.00	-20°C ~ 80°C	490-1204-1-ND	.30	.26	.20	3,000	151.08/M
CSTCE-G and CSTCR-G Series - Industrial								
2	8.00	-40°C ~ 125°C	490-1219-1-ND	.35	.30	.23	3,000	177.41/M
	10.00	-40°C ~ 125°C	490-4715-1-ND	.38	.33	.31	3,000	177.41/M
	12.00	-40°C ~ 125°C	490-1220-1-ND	.35	.30	.23	3,000	177.41/M
3	4.00	-40°C ~ 125°C	490-1217-1-ND	.33	.27	.21	3,000	129.59/M
	4.19	-40°C ~ 125°C	490-4718-1-ND	.35	.30	.28	3,000	161.47/M
	4.91	-40°C ~ 125°C	490-4719-1-ND	.35	.30	.28	3,000	161.47/M
	5.00	-40°C ~ 125°C	490-4720-1-ND	.35	.30	.28	3,000	161.47/M
	6.00	-40°C ~ 125°C	490-1218-1-ND	.33	.27	.21	3,000	161.47/M
	6.00	-40°C ~ 125°C	490-1218-1-ND	.33	.27	.21	3,000	161.47/M
CSTCE-V Series - Commercial								
2	16.00	-20°C ~ 80°C	490-1198-1-ND	.35	.29	.23	3,000	174.64/M
	20.00	-20°C ~ 80°C	490-1199-1-ND	.35	.29	.23	3,000	174.64/M
CSTCE-V Series - Industrial								
2	16.00	-40°C ~ 125°C	490-4716-1-ND	.51	.44	.41	3,000	236.32/M
	20.00	-40°C ~ 125°C	490-4717-1-ND	.42	.37	.34	3,000	198.20/M
CSTCW-X Series - Commercial								
4	24.00	-20°C ~ 80°C	490-1205-1-ND	.21	.17	.14	3,000	103.26/M
	48.00	-20°C ~ 80°C	490-1206-1-ND	.21	.17	.14	3,000	103.26/M

* For Tape & Reel part number, change 1-ND to 2-ND.

Ceramic Resonators - Leaded

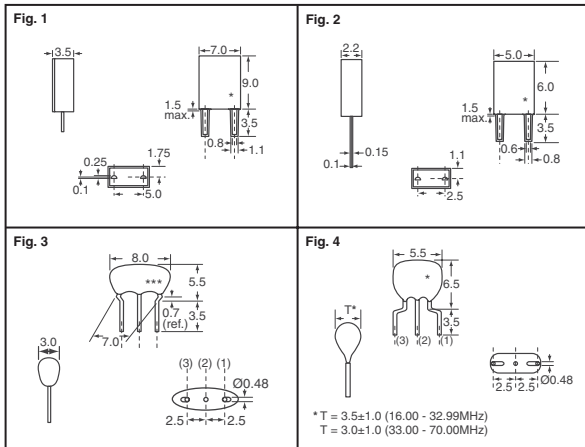


Fig.	Frequency	Operating Temperature	Digi-Key Part No.	Price Each			Murata Part No.
				1	10	100	
CSBLA Series - Commercial							
1	400.00kHz	-20°C ~ 80°C	490-1186-ND	.37	.31	.24	CSBLA400KECE-B0
	455.00kHz	-20°C ~ 80°C	490-1187-ND	.33	.28	.22	CSBLA455KEC8-B0
	480.00kHz	-20°C ~ 80°C	490-1188-ND	.33	.28	.22	CSBLA480KEC8-B0
	500.00kHz	-20°C ~ 80°C	490-1189-ND	.37	.31	.24	CSBLA500KEC8-B0
	540.00kHz	-20°C ~ 80°C	490-1190-ND	.44	.37	.29	CSBLA540KEC8-B0
	640.00kHz	-20°C ~ 80°C	490-1191-ND	.44	.37	.29	CSBLA640KEC8-B0
2	800.00kHz	-20°C ~ 80°C	490-1192-ND	.57	.48	.37	CSBLA800KJ58-B0
	1.00MHz	-20°C ~ 80°C	490-1185-ND	.39	.33	.26	CSBLA1M00J58-B0
CSTLS Series - Commercial							
3	3.58MHz	-20°C ~ 80°C	490-1207-ND	.17	.14	.11	CSTLS3M58G53-B0
	4.00MHz	-20°C ~ 80°C	490-1208-ND	.16	.14	.11	CSTLS4M00G53-B0
	4.19MHz	-20°C ~ 80°C	490-1209-ND	.17	.14	.11	CSTLS4M19G53-B0
	5.00MHz	-20°C ~ 80°C	490-1210-ND	.17	.14	.11	CSTLS5M00G53-B0
	6.00MHz	-20°C ~ 80°C	490-1211-ND	.17	.14	.11	CSTLS6M00G53-B0
	8.00MHz	-20°C ~ 80°C	490-1212-ND	.17	.14	.11	CSTLS8M00G53-B0
4	10.00MHz	-20°C ~ 80°C	490-1213-ND	.17	.15	.12	CSTLS10M0G53-B0
	16.00MHz	-20°C ~ 80°C	490-1214-ND	.30	.26	.20	CSTLS16M0X55-B0
	20.00MHz	-20°C ~ 80°C	490-1215-ND	.35	.29	.23	CSTLS20M0X53-B0
	50.00MHz	-20°C ~ 80°C	490-2606-ND	.35	.29	.23	CSTLS50M0X51-B0
CSTLS Series - Industrial							
3	4.00MHz	-40°C ~ 125°C	490-1221-ND	.20	.17	.13	CSTLS4M00G53Z-B0
	6.00MHz	-40°C ~ 125°C	490-1222-ND	.19	.17	.13	CSTLS6M00G53Z-B0
	8.00MHz	-40°C ~ 125°C	490-1223-ND	.20	.17	.14	CSTLS8M00G53Z-B0

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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