

# Ceramic Discriminator for Communication

**JTM Ceramic Discriminator for Communication  
(Murata CDB/CDBC/CDBM Compatible)**



## ► Preview

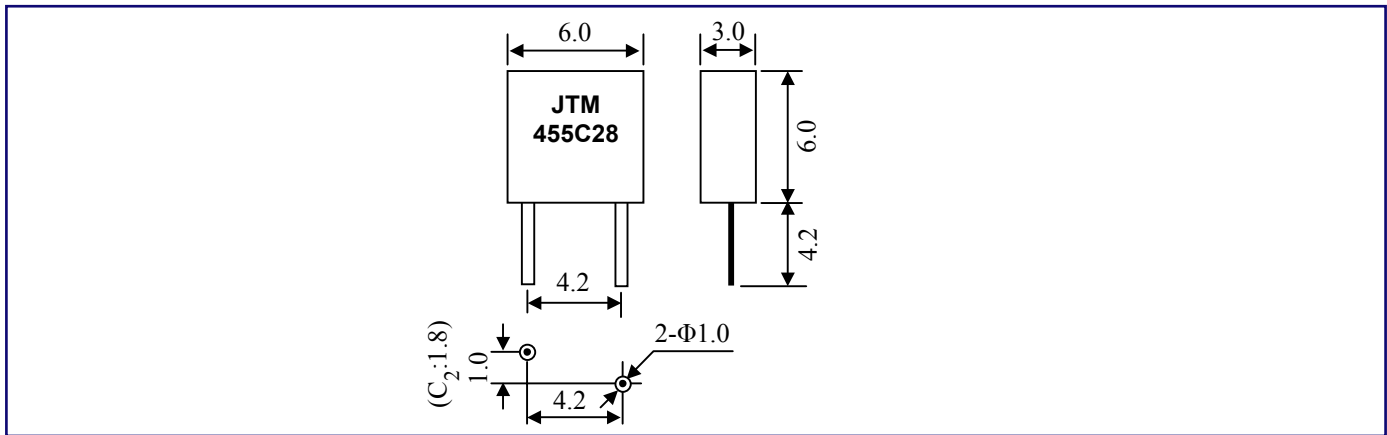
JTM For Communication consists of wide band piezoelectric resonator. It is ideal for mobile communication equipment due to its small size and light weight. Standard line includes products for a wide range of applications, from cordless telephones to cellular telephones, making non-adjustment and shrinking of the detection circuit possible.

Token JTM including features with small in size and lightweight, realize non-adjustment in detection circuit, high sensitivity and stability, wide range of standard products are available for various ICs, operating temperature range:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  and storage temperature range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

## Characteristics :

1. Dimensions: (6.0 x 6.0 x 3.0) Unit: mm.
2. Storage temperature range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .
3. Operating temperature range:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ .
4. Center Frequency:  $455\pm 2$  (kHz),  $447.5\pm 1.5$  (kHz),  $429.0\pm 2.0$  (kHz).
5. Available IC: CXA1483M, CXA1484, CXA1184M, CXA3117N, LA8610, NE605, MC3371, TA31136, TA31142, TA31143, TA31147, TA8104, TA8103F.

## ► Dimensions



## ► Technical Characteristics

Part Number	Center Frequency (fo)(kHz)	Recovered Audio 3dB BW (kHz)min	Recovered Audio Output (mV)min	Distortion Factor (At fo) (%)max	Applicable IC
JTM455C18	455±2	±3.0	180±40	2.0	MC3371
JTM455C24	455±2	±4.0	100±40	2.0	TA31136
JTM455C28	455±2	±4.0	40±20	3.0	TA31142
JTM455C29	455±2	±4.0	125±30	2.5	NE605
JTM455C32	455±2	±4.0	40±20	3.0	TA31143
JTM455C47	455±2s	-	140±20(fo) 140±20 (fo±4.8)	-	TA31147
JTM455C50	455±2	±4.0	64±6.4	4.0	CXA3117N

Part Number	Resonant Frequency (Fr)(kHz)	Antiresonant Frequency (Fa)(kHz)	Band Width Fa-Fr(kHz)	Resonant Resistance (Ω)max	Capacitance pF±20%	ApplicableIC
JTM455C2	447.5±1.5 (at  Z =2.05kΩ)	463.0±1.5 (at  Z =10kΩ)			140	TA8104
JTM455C3		455.0±1.5	48.0±5.0	70	600	CXA1184M
JTM455C4		470.0±1.0	43.0±2.0	300	140	LA8610
JTM455C10	429.0±2.0		51.0±5.0	70	580	TA8103F
JTM455C15		463.5±1.0	43.0±2.0	300	140	CXA1483M
JTM455C25		465.0±1.5	45.0±4.0	300	135	CXA1484

## ► How to Order

JTM455C24      P

②

① Part Number

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