Version: **January 12, 2017**



(JTM) Ceramic **Discriminators**

Token Electronics Industry Co., Ltd.

Taiwan: No.137, Sec. 1, Zhongxing Rd., Wugu District,

New Taipei City, Taiwan, R.O.C. 24872

Tel: +886 2981 0109 Fax: +886 2988 7487

China: 12F, Zhong Xing Industry Bld., Chuang Ye Road,

Nan Shan District, Shen Zhen City,

Guang Dong, China 518054

Tel: +86 755 26055363; Fax: +86 755 26055365

Web: www.token.com.tw

Email: rfq@token.com.tw



Ceramic Discriminators (JTM)

Product Introduction

Introduction (JTM)

Characteristics:

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

Ceramic discriminator for communication (JTM) is compatible to Murata CDB/CDBC/CDBM. (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°C to +80°C and storage temperature range: -40°C to +85°C.

Contact us with your specific needs. For more information, please link to Token official website "Ceramic Discriminator".

Taiwan Factory: +886 2 29810109 China Factory: +86 755 26055363

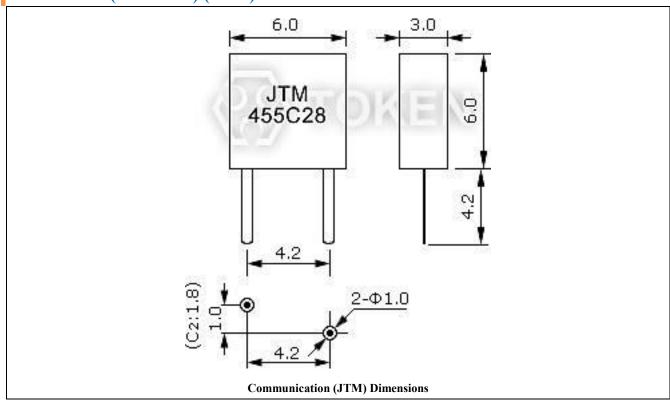
Page: 1/4





Dimensions

Dimensions (Unit: mm) (JTM)



Taiwan Factory: +886 2 29810109 China Factory: +86 755 26055363



Ceramic Discriminators (JTM)

► Technical Characteristics

Technical Characteristics - Group A (JTM)

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±2	-	140±20(fo) 140±20(fo±4.8)	-	TA31147
JTM455C50	455±2	±4.0	64±6.4	4.0	CXA3117N

Technical Characteristics - Group B (JTM)

Part Number	Resonant Frequency (Fr)(kHz)	Antiresonant Frequency (Fa)(kHz)	Band Width Fa-Fr(kHz)	Resonant Resistance (Ω)max	Capacitance pF±20%	Applicable IC
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

Order Codes

Order Codes (JTM)

JTM455C24	P	
Part Number	Package	

Taiwan Factory: +886 2 29810109 China Factory: +86 755 26055363



Ceramic Discriminators (JTM)

General Information

Advantage of Token Piezoelectric Ceramics

Token Electronics had been able to develop specialized piezo materials which when combined with an advance design have resulted in a complete line of practical, inexpensive piezo devices for entertainment and communications applications.

Token reliably deliver high-quality components according to the each customer special needs with respect to performance, costs, and technology modifications.

For marketing discontinuations or sourcing activities concerning Piezoelectric **Discriminator** products, you are encouraged to contact our Sales Department so the request can be properly directed within Token.

Taiwan Factory: +886 2 29810109 China Factory: +86 755 26055363

Page: 4/4