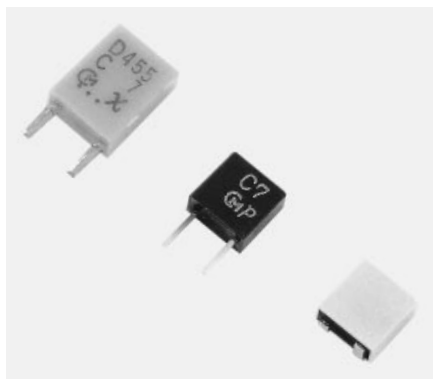
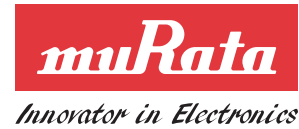


FILTERS

FOR COMMUNICATIONS EQUIPMENT – DISCRIMINATORS CDB/CDBC/CDBM455kHz



Ceramic discriminator 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.

Available in 450kHz and 455kHz versions.

FEATURES

- Small in size and light weight
- 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 $+80^{\circ}\text{C}$
Storage temperature range: -40°C to $+85^{\circ}\text{C}$

DIMENSIONS: mm

CDB455C□ / CDB455CL□	CDBM455C□ / CDBM455CL□	CDBM455C□	CDBC455CX□ / CDBC455CLX□
<p>Applicable Part Number: All</p>	<p>Applicable Part Number: 3, 7, 9, 10, 13, 21, 24, 27, 28, 29, 30, 32, 34, 35, 40, 42</p>	<p>Applicable Part Number: 2, 4, 15, 16, 18, 31, 33, 36, 39</p>	<p>Standard Land Dimension</p> <p>Applicable Part Number: All</p>

SPECIFICATIONS

Part Number / Characteristics	Recovered Audio		Distortion		IC	Application
	3dB Bandwidth (from 544kHz) min.	Output (at 455kHz)	(at 455kHz) max.	within 455 ± 8kHz		
CDB455C7*	±4.0	340 ± 60mV	2.5%	—	MC3357	Cordless Telephone, Communications Equipment
CDBC455CX7	±4.0	350 ± 60mV	3.0%	—		
CDB455C9*	±5.0	100mV min.	1.5%	—	NE604N	Cordless Telephone, Cellular Phone, Communications Equipment
CDBC455CX9	±4.0	120 ± 40mV	1.5%	—		
CDB455CL9	±15.0	70 ± 20mV	1.5%	3.5% max.	CXA1003BM	Cellular Phone, Communications Equipment
CDB455CL13*	±15.0	110 ± 30mV	1.5%	5.0% max.		
CDB455C16*	±4.0	185 ± 40mV	2.0%	—	MC3372	Cellular Phone, Cordless Telephone, Communications Equipment
CDBC455CX16	±4.0	175 ± 40mV	2.0%	—		
CDBM455C18	±3.0	180 ± 40mV	2.0%	—	MC3371	Cordless Telephone, Communications Equip.
CDB455C28*	±4.0	40 ± 20mV	3.0%	—	TA31142	Pager
CDB455C29*	±4.0	125 ± 30mV	2.5%	—	NE605	Cordless Telephone, Communications Equipment
CDBC455CX29	±4.0	100 ± 30mV	2.5%	—		
CDB455C34*	±4.0	65 ± 20mV	2.5%	—	MC13136	Cordless Telephone, Communications Equip.
CDBM455C36	±3.5	100 ± 25mV	3.5%	—	NE(SA)606, NE(SA)616	Cordless Telephone, Cellular Phone
CDBC455CLX36	±13.0	90 ± 30mV	2.5%	5.0% max.		
CDBM455C39	±4.0	85 ± 20mV	2.5%	—	NE(SA)607/617	Cordless Telephone
CDB455C42*	±4.0	40 ± 15mV	3.0%	—	TK14590, TK14591	Pager

*Also available in miniature package CDBM.

*Applicable in North American market only. *Applicable in European market only.

For more detailed information regarding this product line in North America, see Catalog No. P-05-D. To receive additional information on Murata Products call 1-800-831-9172.

For more detailed information regarding this product line in Europe, see Catalog No. P05E-8.