

SPECIFICATION

ITEM: DIELECTRIC CERAMIC DUPLEX FILTER
PART NUMBER: CFD-UTMSEGSMDCS

ISSUED	CHECKED	CHECKED	CHECKED	APPROVED

FILTRONETICS Inc

1. APPLICATION

THIS SPECIFICATION APPLIES TO A BAND PASS DUPLEX FILTER USING DIELECTRIC RESONATORS.

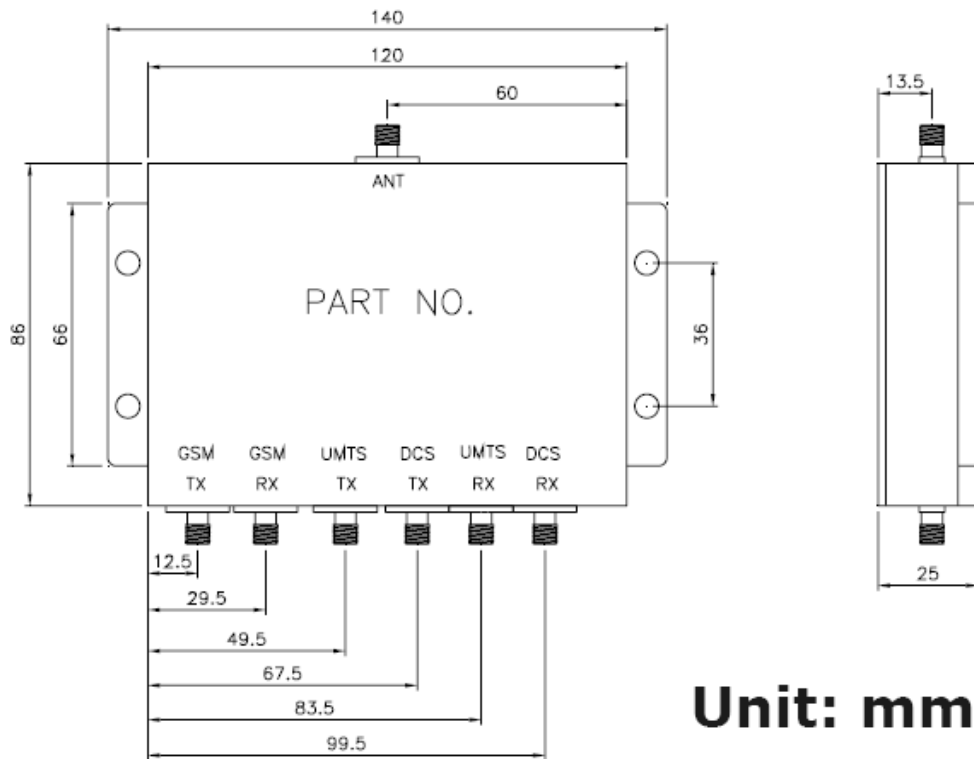
2. PART NUMBER

PART NO	CFD-UTMSEGSMDCS
PACKAGING	PLASTIC TRAY

3. SPECIFICATIONS

Parameter	EGSM		DCS		UMTS		
	RX	TX	RX	TX	RX	TX	
Center Frequency	897.5 MHz	942.5 MHz	1747.5 MHz	1842.5 MHz	1950MHz	2140 MHz	
Frequency Range	885-910 MHz	930-965 MHz	1710-1785 MHz	1805-1880 MHz	1920-1980 MHz	2110-2170 MHz	
Insertion Loss in BW	3.5dB Max	3.5dB Max	4.5dB Max	4.5dB Max	4.0dB Max	4.0dB Max	
Ripple in BW	1.5dB Max	1.5dB Max	2.5dB Max	2.5dB Max	1.5dB Max	1.5dB Max	
TX harmonics rejection	2nd & 3rd	20dB Min	20dB Min	12dB Min	20dB Min	20dB Min	
Attenuation	At in Tx Bands	45dB Min		35dB Min		45dB Min	
	At in Rx Bands	45dB Min		35dB Min		45dB Min	
	At 50-3500 MHz	25dB Min		25dB Min		25dB Min	
Return loss in BW	14dB Min						
Impedance	50 Ohms						
Power Handling	4 Watts max.						
Operating Temperature	- 30 to +75 °C						

5. DIMENSIONS



Unit: mm

MARKING
CFD-UTMSEGSMDCS
Filtronetics, Inc
Date Code

UNIT: MM
TOLERANCE: +/-0.5MM
IN/OUT LAND : +/-0.3MM