

### Features

- Low Insertion Loss
- High Rejection & Isolation
- High Power Handling
- Ultra-Low PIM
- N & 7/16 DIN Connector

### Descriptions

Ultra-low PIM 150W cavity duplexer developed for 4500MHz C-band fixed satellite applications.

### Electrical Specifications

Parameter	Unit	Specification	
		LOW	HIGH
Center Frequency	MHz	4522.5	4592.5
Passband Frequency Range	MHz	4500 ~ 4545	4565 ~ 4620
Insertion Loss in Passband	dB	2.0 max	2.0 max
Return Loss (VSWR) in Passband	dB	18 min	18 min
Attenuation	dB	95 min @ 4565 ~ 4620MHz	110 min @ 4500 ~ 4545MHz
Power Handling	dBm	150 CW max	
In/Out Impedance	Ohm	50	
IMD in Rx band, Ant port, 2 tone, +43dBm each	dBc	173 typ., 170 min.	
Operating Temperature	°C	+10 ~ +65	
Connector	-	7/16 DIN female Ant port; N female Tx/Rx port	
Dimensions	mm	235 x 137 x 48 (L x W x H)	
RoHS	-	Yes; 2.0	

### Mechanical Drawing



