

FULL BAND SINGLE CROSS-GUIDE COUPLERS



The **Mitec Telecom Ltd** range of single cross-guide couplers exhibit excellent coupling flatness and directivity over the full waveguide frequency bands. These units are ideally suited for such applications as forward and reverse power monitoring and signal injection.

All units are supplied with frequency calibration charts.

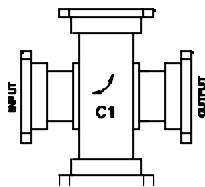
For custom design requirements, please contact the sales office.



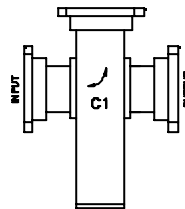
FULL BAND SPECIFICATIONS

Mean Coupling	30, 40 or 50 ± 1.0dB
Sensitivity	± 1.0dB max.
Directivity	20.0dB min. (23.0dB typical)
Main Line VSWR	1.05:1 max.
Secondary Line VSWR	1.20:1 max.

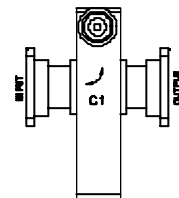
- FULL WAVEGUIDE BANDS
- STANDARD COUPLING 30, 40 AND 50dB
- CUSTOM DESIGNS AVAILABLE ON REQUEST



STYLE 1



STYLE 2



STYLE 3

WAVEGUIDE SIZE		FREQUENCY (GHz)	STYLE 1 MODEL No.	CONNECTOR TYPE	STYLE 2 MODEL No.	STYLE 3 MODEL No.	STANDARD FLANGES	DIMENSIONS ON REQUEST
WG10	WR284	2.60 - 3.95	284RX1	'N' or 'SMA'	284RX2	284RX3	CPR284F	
WG11A	WR229	3.30 - 4.90	229RX1	'N' or 'SMA'	229RX2	229RX3	CPR229F	
WG12	WR187	3.95 - 5.85	187RX1	'N' or 'SMA'	187RX2	187RX3	CPR187F	
WG13	WR159	4.90 - 7.05	159RX1	'N' or 'SMA'	159RX2	159RX3	CPR159F	
WG14	WR137	5.85 - 8.20	137RX1	'N' or 'SMA'	137RX2	137RX3	CPR137F	
WG15	WR112	7.05 - 10.00	112RX1	'N' or 'SMA'	112RX2	112RX3	CPR112F	
WG16	WR90	8.20 - 12.40	90RX1	'N' or 'SMA'	90RX2	90RX3	UBR100	
WG17	WR75	10.00 - 15.00	75RX1	'N' or 'SMA'	75RX2	75RX3	UB120	
WG18	WR62	12.40 - 18.00	62RX1	'N' or 'SMA'	62RX2	62RX3	UBR140	
WG19	WR51	15.00 - 22.00	51RX1	'K' TYPE	51RX2	51RX3	UBR180	
WG20	WR42	18.00 - 26.50	42RX1	'K' TYPE	42RX2	42RX3	UBR220	
WG21	WR34	22.00 - 33.00	34RX1	'K' TYPE	34RX2	34RX3	UBR260	
WG22	WR28	26.50 - 40.00	28RX1	'K' TYPE	28RX2	28RX3	UBR320	