



MODEL	CI-DA-407	CI-DA-110	CI-DA-114	CI-DPI-100
Number of Output Ports	4	2	1	/
Number of Data Ports	4	2	1	/
Number of Power Ports	2	2	2	1
Surge Withstand	6KV/200A,0.5us-100kHz ringwave per IEEE587 C62.41-1991			
Rated Operating Temperature °C	-40 to +70	-40 to +70	-40 to +70	-40 to +70
FORWARD PATH SPECIFICATIONS				
Reference Input Level (dBm)	-30	-30	-30	/
Pass Band (MHz)	54-1000	54-1000	54-1000	5 -1000
Gain(Input to Output)(dB)	7±1	10±1.2	14±1.2	-0.8
Flatness(dB)	±1	±1	±1	±0.5
Return Loss(dB)	20	20	20	20
Noise Figure (dB)	4.5	4.5	4.5	/
Channel Loading	79 analog			/
Reference Input Level (dBmV)	5	5	5	/
Composite Triple Beat(dBc)? Note1	75	75	75	/
Composite Second Order(dBc)? Note1	60	60	60	/
Cross Modulation(dBc)	75	70	70	/
Hum Modulation(dBc)	75	70	75	/
Isolation				
Input to DC Port(dB)	80	80	80	80
Output to Output(dB)	20	20	/	/
Group Delay (3.58 MHz span)				
Channel 2 (ns)	20	20	20	/
Channel 3 (ns)	10	10	10	/
Other Channels (ns)	5	5	5	/
RFI Shielding (dB)	130	130	130	130
Max operating output(dBmV)-minus internal splitter loss	25	25	25	/
REVERSE PATH SPECIFICATIONS				
Reference Input Level (dBm)	-30	-30	-30	/
Pass Band (MHz)	5-42	5-42	5-42	/
Return Path Insertion Loss(dB)	(-7.4±1)	(-4±1)	(-0.8±1)	/
Flatness(dB)	±0.5	±0.5	±0.5	/
Return Loss(dB)	20	20	20	/
Group Delay (1MHz span)				
5 , 42MHz (ns)	20	20	20	/
10 ~ 36 MHz (ns)	5	5	5	/
Inter-Modulation(dBc)? Note2	105	105	/	/
Second Order(dBc)? Note3	110	110	/	/
Housing Dimensions (L*W*H) (mm)	99x71.5x20.5	99x71.5x20.5	99x71.5x20.5	60x50x16
Weight (g) ±5g	124	118.5	114.5	39.3
Power (DC) 10~24V	110mA±10mA	110mA±10mA	110mA±10mA	/

Note1: TEST CH @

Note2: 2TONE TEST CW: 25MHz,31MHz +55dBmV.

Note3: CW: 27MHz + 55dBmV

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Specifications subject to change without notice.