

RF Bypass for Model 8633 PAL B/G International Home Terminals



23038

DESCRIPTION

The RF Bypass combines most of the signals from the cable input with the output of the Home Terminal RF modulator. This allows the subscriber to view one channel while recording another. However, only one scrambled channel may be viewed / recorded at a given time.

RF Bypass Models

RF Bypass Model	Home Terminal
8656-B2	8603 HT with VHF output
8656-U3	8633 HT with UHF CH34-43 output
8656-U5	8633 HT with UHF CH51-60 output
8656-V3	8633 HT with VHF output

RF Bypass for International Home Terminals

SPECIFICATIONS

Environmental

Ambient Operating Temperature

0° to + 45° Celsius

Relative Humidity

0% to 95%, non-condensing

Electrical

Operating Current

@ +9 V DC: 50 mA [Max]

Operating Power

@ +9 V DC: 500 mW [Max]

Lightning

Operational and meets all specifications after N=3,

3.5 kV hits from a 10 mF capacitor at the CABLE IN port

RF Specifications

	8656-B2	8656-U3	8656-U5	8656-V3
Gain (Cable IN to TV-VCR)	(120 - 860 MHz) 1.0 dB $\pm$ 1.0 dB	(48-500 MHz) 1.0 dB $\pm$ 1.0 dB	(48-650 MHz) 1.0 dB $\pm$ 1.0 dB	(120 - 860 MHz) 1.0 dB $\pm$ 1.0 dB
Insertion Loss (Cable IN to HT IN)	(15-18 MHz) 1.5 dB [Max] (48 - 550 MHz) 1.5 dB $\pm$ 1.0 dB	(15-18 MHz) 1.5 dB [Max] (48-860 MHz) 1.5 dB $\pm$ 1.0 dB	(15-18 MHz) 1.5 dB [Max] (48-860 MHz) 1.5 dB $\pm$ 1.0 dB	(15-18 MHz) 1.5 dB [Max] (48-860 MHz) 1.5 dB $\pm$ 1.0 dB
Insertion Loss (HT OUT to TV-VCR)	(55 - 70 MHz) 3.0 dB $\pm$ 1.0 dB	(575-654 MHz) 3.0 dB $\pm$ 1.0 dB	(711-790 MHz) 4.0 dB $\pm$ 1.0 dB	(55 - 70 MHz) 3.0 dB $\pm$ 1.0 dB
Isolation (HT IN to TV-VCR)	(15-18 MHz) 45 dB [Min] (661-860 MHz) 45 dB [Min]	(15-18 MHz) 45 dB [Min]	(15-18 MHz) 45 dB [Min]	(15-18 MHz) 45 dB [Min]
Isolation (HT OUT to TV-VCR)	(124-131) 57dB [Min] (132-400) 50dB [Min] (401-860) 30dB [Min]			(124-131) 57dB [Min] (132-400) 50dB [Min] (401-860) 30dB [Min]
Return Loss (CABLE IN)	(48-860 MHz) 12 dB [Min]	(48-860 MHz) 15 dB [Min]	(48-860 MHz) 15 dB [Min]	(48-860 MHz) 12 dB [Min]
Return Loss (HT IN)	(15-18 MHz) 12 dB [Min] (48-550 MHz) 12 dB [Min]	(15-18 MHz) 12 dB [Min] (48-860 MHz) 15 dB [Min]	(15-18 MHz) 12 dB [Min] (48-860 MHz) 12 dB [Min]	(15-18 MHz) 12 dB [Min] (48-860 MHz) 12 dB [Min]
Return Loss (HT OUT)	(55-70 MHz) 15 dB [Min]	(575-654 MHz) 15 dB [Min]	(711-790 MHz) 12 dB [Min]	(55-70 MHz) 15 dB [Min]
Return Loss (TV-VCR)	(55-70 MHz) 15 dB [Min] (120-860 MHz) 15 dB [Min]	(48-654 MHz) 15 dB [Min]	(48-790 MHz) 12 dB [Min]	(55-70 MHz) 15 dB [Min] (120-860 MHz) 15 dB [Min]
Composite Triple Beat	(120-860 MHz) -63 dBc [Max]	(48-500 MHz) -63 dBc [Max]	(48-650 MHz) -63 dBc [Max]	(120-860 MHz) -63 dBc [Max]
Composite Second Order Distortion	(120-860 MHz) -57 dBc [Max]	(48-500 MHz) -57 dBc [Max]	(48-650 MHz) -57 dBc [Max]	(120-860 MHz) -57 dBc [Max]
Cross Modulation	(120-860 MHz) -57 dBc [Max]	(48-500 MHz) -57 dBc [Max]	(48-650 MHz) -57 dBc [Max]	(120-860 MHz) -57 dBc [Max]
Spurious (measured with odBmV at Cable IN)	(120-860 MHz) -57 dBc [Max]	(48-500 MHz) -57 dBc [Max]	(48-650 MHz) -57 dBc [Max]	(120-860 MHz) -57 dBc [Max]

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Specifications subject to change without notice.



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