

Datasheet



V5-EVO Multiswitches - Line Powered

- EV5-508 5-input, 8-output line powered multiswitch**
- EV5-512 5-input, 12-output line powered multiswitch**
- EV5-516 5-input, 16-output line powered multiswitch**
- EV5-524 5-input, 24-output line powered multiswitch**
- EV5-532 5-input, 32-output line powered multiswitch**

V5-EVO is tuned to minimise 4G-800 LTE interference and has been developed for very low current consumption from the trunk cables, headend and from receivers. V5-EVO multiswitches are powered either via the horizontal trunk cables or locally via the auxiliary input socket. These multiswitches are ideal in small, medium and large cascaded systems where up to 40 multiswitches can be powered from single V5-034 power source. All multiswitches have stepped gain at each bank of four (eight on 24 & 32) outputs to balance subscriber signal levels and allow long and short subscriber cables to be connected to the same multiswitch.

- Designed for large, medium and small line powered IRS installations
- Power from headend, anywhere on horizontal trunk cables via remote power supply, or local power
- Very low current consumption / 60mA trunk / 65mA receiver
- Active satellite and terrestrial with "stepped" gain for signal equalisation
- Switchable input attenuators for all satellite and terrestrial input bands
- High input /output capability for long subscriber lines
- Pre-mounted earth bars
- LED power indicator
- Fully screened diecast housings for extreme interference immunity

Model	EV5-508	EV5-512	EV5-516	EV5-524	EV5-532
Number of Inputs			4 x SAT + 1 x Terrestrial		
Number of Outputs	8	12	16	24	32
Frequency Range	SAT Terr		950 – 2400MHz 47 – 790MHz		
Gain SAT	Output 1 - 4	0 to +7dB		Output 1 - 8	-4 to +3dB
Fixed Slope	Output 5 - 8	-1 to +5dB		Output 9 - 16	-5 to +1dB
Pre-emphasis	Output 9 - 12 Output 13 - 16		-2 to +2dB -3 to 0dB	Output 17 - 24 Output 25 - 32	-6 to -1dB -7 to -3dB
Gain Terrestrial	Output 1 - 4 Output 5 - 8 Output 9 - 12 Output 13 - 16		-1 to +3dB -2 to +1dB -3 to -1dB -4 to -3dB	Output 1 - 8 Output 9 - 16 Output 17 - 24 Output 25 - 32	-2 to +1dB -4 to -1dB -5 to -2dB -6 to -4dB
Gain Control	SAT Terrestrial		0 – 12dB in 4dB steps 0 – 15dB in 1dB steps		
Output Level SAT (IMD ³ – 35dB)			96dBuV		
Output Level Terr (DIN 45004B) IMD ³ -60					
Output 1-4		91dBuV		Output 1 – 8	89dBuV
Output 5-8		89dBuV		Output 9 – 16	87dBuV
Output 9-12			87dBuV	Output 17 – 24	85dBuV
Output 13-16			85dBuV	Output 25 - 32	83dBuV
SAT / SAT Input Isolation			>30dB		
Output Isolation SAT / SAT / Terr			>30dB / 35dB		
Rejection TV –SAT / SAT-TV			>30dB / 40dB		
DC Pass from external PSU			18V / 600mA max		
Current consumption from receiver			<65mA		
Current consumption from H					
Lines or external power supply			12V to 18V / 60mA		
Control Signals	V/Lo, H/Lo V/Hi, H/Hi		11.5V – 14.5V/0kHz, 16.5 – 19V/0kHz 11.5V – 14.5V/22kHz, 16.5 – 19V/22kHz		
Operating Temperature			-20°C to +50°C		
Dimensions mm	187x135x30	227x135x30	267 x 135 x 53	227x135x50	267x135x50
Weight	0.6kg	0.7kg	0.9kg	1.5kg	1.9kg