



VISION® Datasheet

EV5-55A IRS Amplifier 4 Sat + Terrestrial (125092)

The EV5-55A IRS amplifier is designed for small to medium sized systems. The amplifier has 15dB fixed satellite gain with 3dB built in slope and switchable terrestrial gain from -10, 0 or +10dB which allows high off air signals to be attenuated .

- Satellite gain 17dB fixed with 3dB slope
- Masthead line powering 100mA with short circuit protection with dual colour LED Green/Red
- -10, 0, +10dB switched Terrestrial Gain
- Through Current 1 Amp per leg (maximum 2.0A)
- Direct connection 18VDC powering or line powered via horizontal trunk lines
- 180mA max current consumption
- Fully screened housing to reject interference



Model	EV5-55A (125092)
Frequency Range SAT	950MHz – 2200MHz
TERR	88 – 694MHz
Number of Inputs / Outputs	5/5
Satellite Gain	13-17dB fixed with 3dB slope
Terrestrial Gain	-10/0/+10dB
Maximum Input IMD ⁻³⁵ Satellite	93dB μ V (81dB μ V de-rated)
Maximum Input IMD ⁻³⁵ Terrestrial	93dB μ V (87dB μ V de-rated)
Maximum Output IMD ⁻³⁵ Satellite	108dB μ V (93dB μ V de-rated)
Maximum Output IMD ⁻³⁵ Terrestrial	105dB μ V (99dB μ V de-rated)
SAT IF / SAT IF Input Isolation	> 30dB
SAT IF / Terr Input Isolation	> 30dB
SAT IF Output – SAT Output Isolation	> 30dB
Terr / Terr- Output Isolation	> 30dB
Return Loss All ports	> 10dB
Noise Figure typ.	< 6dB
DC Consumption Terr TV amplifier via H lines	18VDC 180mA with Green LED Indication
Impedance	75 Ω
Connectors	F-Type (f) Earth Bar F-Type (f) Quick F (m)
Max DC Pass into the trunk	18V 1.0A per leg (2A combined)
Operating Temperature	-20 $^{\circ}$ C to +50 $^{\circ}$ C
Dimension inc connectors (mm) / Weight	134 x 134x 30mm 472g

In the interests of continued product improvement and development we reserve the right to change specifications, design and dimensions without prior notice.
Details correct at date of publication E&OE ©2020 Vision Products (Europe) Ltd