FibreIRS™ O2E

Fibre Integrated Reception System

global invacom
completing the picture

- **Expands fibre systems to over 2000 GTU's**
- **For use with GI optical LNB or ODU32**
- **Fully weatherproof (IP65)**
- **Wholeband cable supplied with unit**
- **Powered externally or by connected ODU32**

The O2E has been designed to be used in conjunction with either the ODU32 or the fibre optic LNB to increase the number of subscribers that can be connected to a single dish. If used in conjunction with the fibre optic LNB it can increase the distance from the dish to a large FIRS system. Maximum splits from each output (Optical LNB or ODU32) before the O2E is 16, for units connected after the O2E it

Technical Specifications

Product Part No.	
O2E	F813006

Optical			
Parameter	Min	Max	Notes
Optical Wavelength (nm)	1100	1650	
Return loss (dB)	20		
Input optical power (dBm)	-15	-3	Subject to system performance specifications

Satellite (Electrical)			
Frequency	950MHz	5.45GHz	
Nominal impedance	50Ω		
Return loss	9dB		
Output power (dBµV	80		
Gain variation across band		4dB	

DTT,DAB and FM (Electrical)			
RF frequency range DTT DAB FM	 470-862MHz 174-240MHz 88– 108MHz		
Nominal impedance	75Ω		
Return loss	9dB		
DTT output power (dBµV)	87		DAB power levels-14dB with respect to DTT
Gain variation across band	4dB		
950-2150MHz rejection	20dB		

DC specification		
Input voltage range (external)	10V to 24V	
Current consumption	65mA	@20V

Connectors		
Input	Fibre Optic FC/PC	
Satellite output	N	
DTT/DAB/FM output	F	
Power supply	F	

Dimensions		
Size	160x167x30 mm inc connectors	
Weight	450g	

Enviromental Specification		
Operating temperature	- 30 to 60°C	
Storage temperature	-30 to 60°C	

Optical cabling		
Fibre type	Single mode	
Standard	GI-approved G657a	