

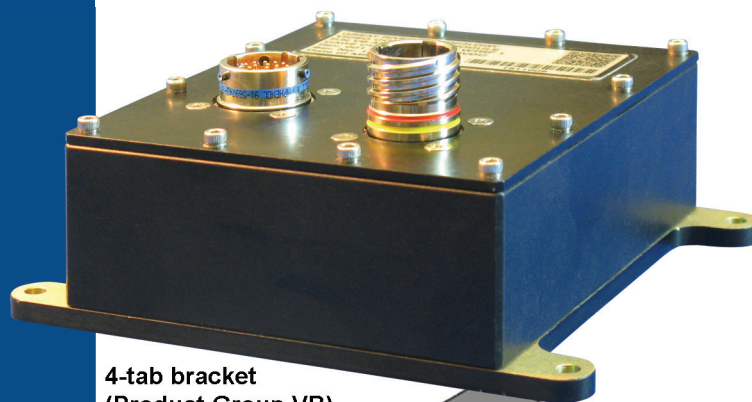


## VCM

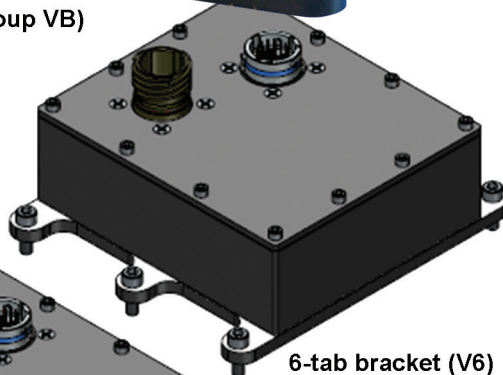
### *Flyable ARINC 818 Video Converter Module*

Extend the life of airborne video components by quickly linking them to ARINC 818 architecture. The VCM is matched to your ICD and can be certified to DO-254 and

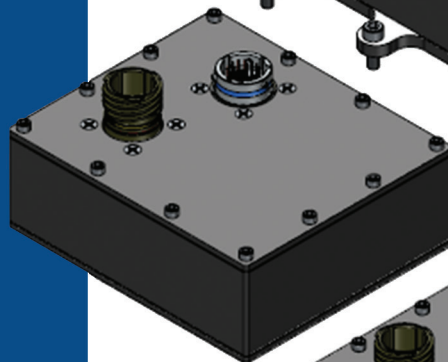
DO-160. Four mounting options provide maximum flexibility where space is precious. The VCM is a flyable, rugged version of GRT's Stand Alone Module for ARINC 818, which has proven itself for years in labs and simulator settings and aircraft production facilities.



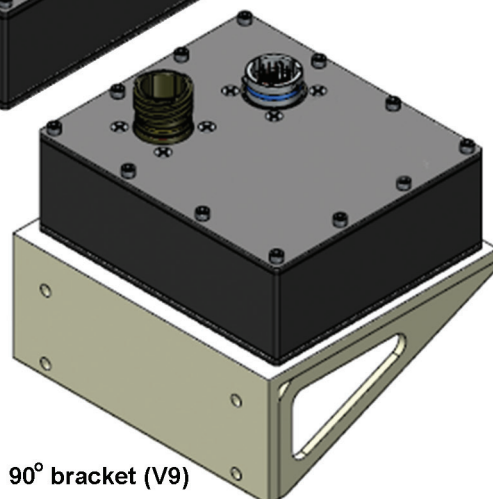
**4-tab bracket  
(Product Group VB)**



**6-tab bracket (V6)**



**No bracket (VC)**



**90° bracket (V9)**

### *Format conversions*

Each unit is factory configured to one of the following:

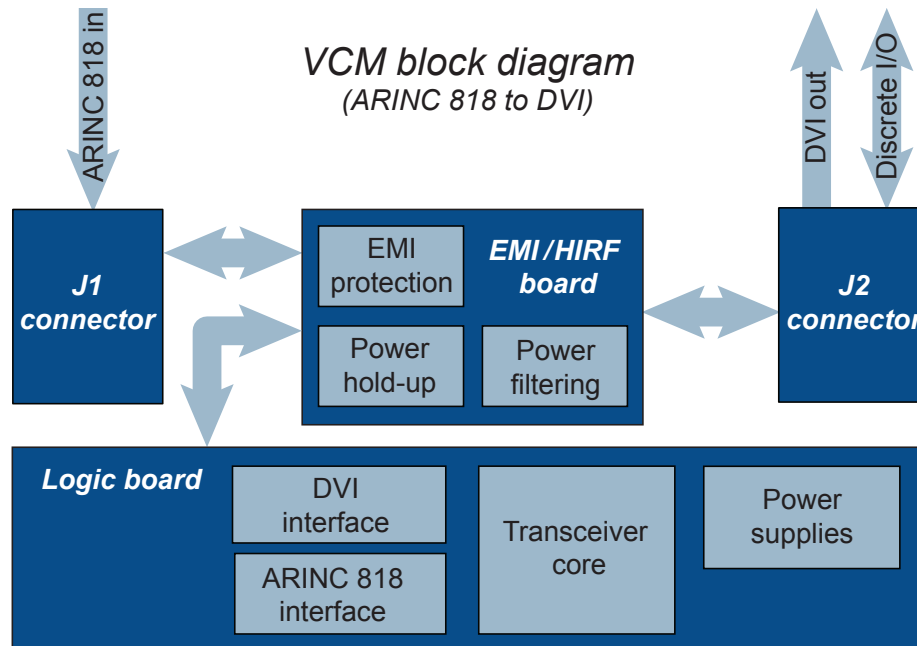
- DVI to ARINC 818
- DVI to ARINC 818 over 75Ω coax
- ARINC 818 to DVI
- ARINC 818 to VGA
- ARINC 818 to analog (NTSC, PAL, RS-170) (custom)
- Analog (NTSC, PAL, RS-170) to ARINC 818 (custom)

### *Physical specifications*

- Size envelope, excluding connector and bracket: 113 x 98 x 35 mm (4.45 x 3.86 x 1.38 inches)
- Weight: 0.64 kg (1.41 lb)
- Fiber: 850 nm, multimode
- Connector: D38999, Size 12 shell
- ARINC 801 1.25 mm optical fiber; or 75Ω coaxial
- Power: 6 watts

### *Features*

- 16 to 32 Vdc power input per MIL-STD-704F and RTCA DO-160F hardware qualification
- HIRF protected, EMI shielded design
- Robust 38999 Series circular connectors



**Other standard configurations**  
are DVI to ARINC 818 and  
ARINC 818 to VGA.

**Custom configurations are also**  
possible: analog to ARINC 818  
or ARINC 818 to analog.

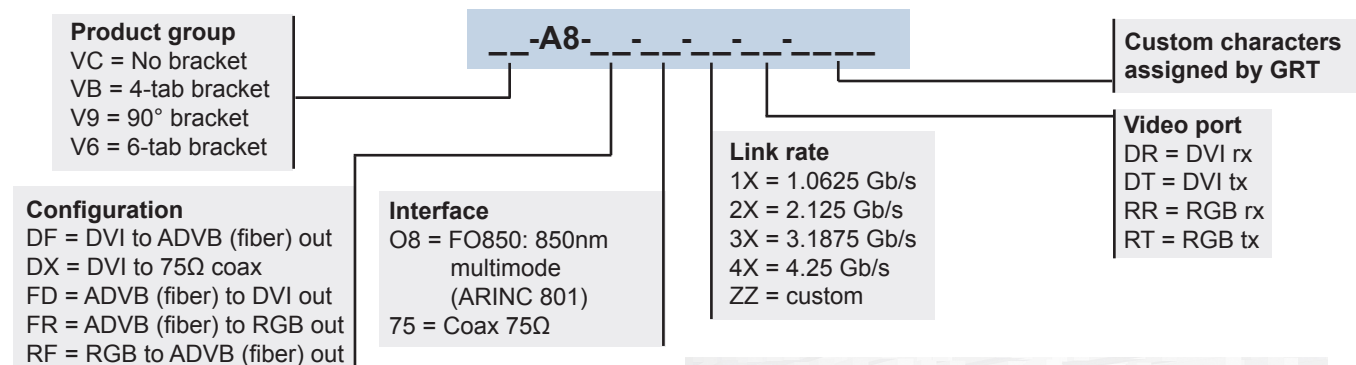
**Call for details.**

### Environmental conditions, DO-160G (subject to change)

Sec. 4: Temp and Altitude Overpressure . . . A2	Sec. 16: Power Input . . . . . B (50 ms)
Sec. 5: Temperature Variation . . . . . B2	Sec. 17: Voltage Spike . . . . . B
Sec. 6: Humidity . . . . . A	Sec. 18: AF Conducted Susceptibility . . . . Z
Sec. 7: Shock and Crash Safety . . . . . B	Sec. 19: Induced Signal Susceptibility . . . . ZC
Sec. 8: Vibrations . . . . . B/B1	Sec. 20: RF Radiated and Conducted Susceptibility. . . . . R
Sec. 9: Explosion Proofness . . . . . H	Sec. 21: RF Radiated and Conducted Emissions . . . . . M
Sec. 10: Water Proofness . . . . . Y	Sec. 22: Lightning Induced Transient . . . . A2J2M2 (shielded)
Sec. 11: Fluids Susceptibility, Cleaning Fluids: . . . . . F	Sec. 24: Icing. . . . . A
Sec. 12: Sand and Dust . . . . . D	Sec. 25: ESD Susceptibility . . . . . A (equipment off)
Sec. 13: Fungus Resistance, Analysis . . . . F	Sec. 26: Fire, Flammability. . . . . C
Sec. 15: Magnetic Effect . . . . . Z/Z/Z	

### How to buy

Determine your part number\* for ARINC 818 (A8) Video Converter Module as follows:



For example:

**VB-A8-FD-O8-2X-DT-0000 or VBA8FDO82XDT0000**

\*Great River Technology revised its part numbering system  
effective April 2013. For details, see [Part Numbers](#):

(<http://www.greatrivertech.com/pns.html>).

