

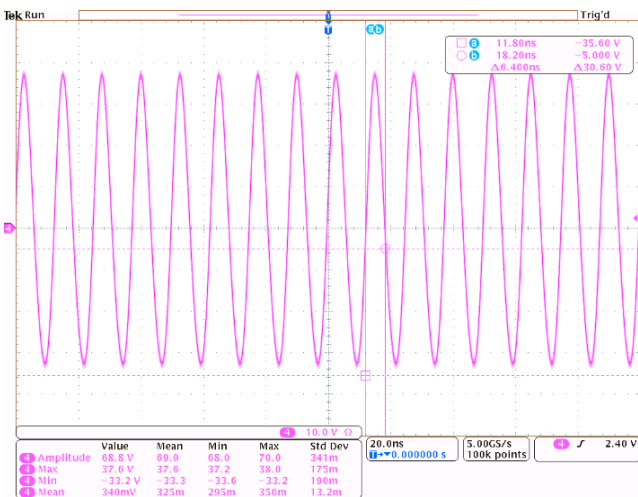
RF drivers can generate RF signals at fixed or variable-frequencies. Specified waveforms could be produced by different modulated signals to meet the requirements of acousto-optic components and determine how much an optical beam is modulated, deflected, or tuned.

CASTECH's RF driver is flexible in 27.12MHz, 40.68MHz, 68MHz, 80MHz, 100MHz, 120MHz, 200MHz, 250MHz, 300MHz and even higher frequencies with highest power up to 100W. A variety of operating modes are available including FPS, PPK, R05 and A05 (Analog).

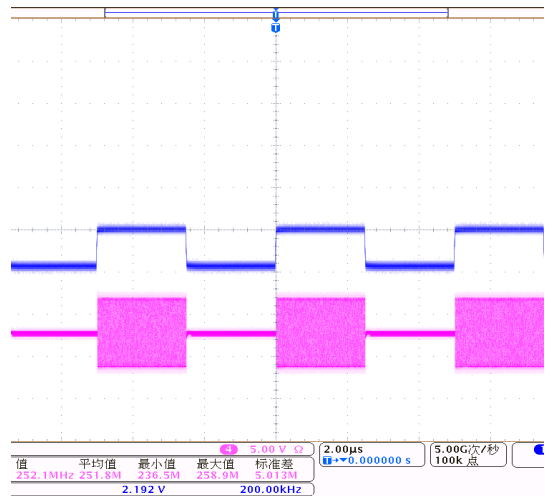


Applications

- Matching acousto-optic components



RF Output Waveform



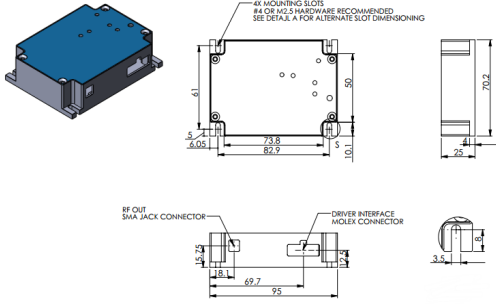
Modulation Waveform

Product Number	Series (as)	RF (f)	Supply Power (v)	Power (p)	Cooling (t)	Channel (b)	Mode (m)	Function (e)	RF Connector (c)
CARD-Fs-f-vpt-bme-c	FA (Fixed frequency A)	27.12MHz 40.68MHz 68MHz 80MHz ...	15D (15 VDC) 24D (24 VDC) 28D (28 VDC)	10W 20W 25W 30W 50~100 W ...	C (Conduction-Cooled) A (Air-Cooled) W (Water-Cooled)	1, 2	F(FPS) P(PPK) A(A05) R(R05) M(M05)	C (Common) H (TTL_HIGH = RF on) L (TTL_HIGH = RF off)	SMA-F SMA-M BNC-F BNC-M SMC-F SMC-M SMA-F SMA-M
	FB (Fixed frequency B)	27.12MHz 40.68MHz 68MHz 80MHz ...					F(FPS) A(A05) D(Digital)		
	FC (Fixed frequency C)	40.68MHz 68MHz 80MHz ...					A(A05)		
	FD (Fixed frequency D)	40.68MHz 68MHz 80MHz 100MHz 120MHz					F(FPS) A(A05) D(Digital)		
	FE (Fixed frequency E)	200MHz 250MHz 300MHz ...					D(Digital) A(A05) DA (Digital+ Analog)		
	FG (Fixed frequency G)	100MHz 120MHz ...					D(Digital)		
CARD-Ts-f-vpt-bme-c	TA (Tunable frequency A)	70~91 MHz ...	24D (24 VDC)	0.5~2 W	C (Conduction-Cooled)	1	Programma ble frequency	C (Common) ...	SMA-F SMA-M
	TE (Tunable frequency E)	70~120 MHz	24D (24 VDC)	0.5~4 W	C (Conduction-Cooled)	1	Voltage control 0~10V D(Digital)	C (Common) ...	SMA-F SMC-F

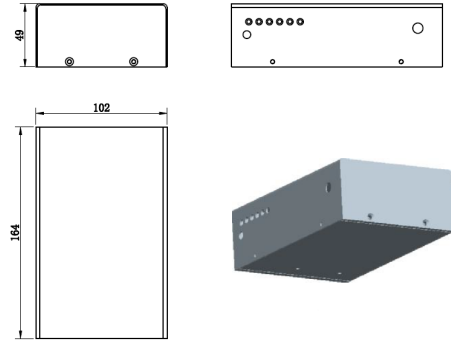
Product Number*	Compatible AO Components	Operating Frequency	RF Power	Mode
CARD-FA-f-vpt-1me-AF	Q-Switches, Free Space Modulators	27.12, 40.68, 68, 80 MHz	2~30 W	FPS, PPK, R05, A05, M05
CARD-FB-f-vpt-bme-AF	Q-Switches	27.12, 40.68, 68, 80 MHz	50~100 W	FPS, A05
CARD-FD-f-vpt-1me-AF	Q-Switches, Free Space Modulators	27.12, 40.68, 68, 80 MHz	2~30 W	FPS, A05
CARD-FE-f-vpt-1me-AF	Fiber Coupled Modulators	200, 250, 300 MHz	0.5~4 W	TTL, Analog
CARD-FG-f-vpt-bme-AF	Fiber Coupled Modulators	100, 200MHz	0.5~4 W	Digital
CARD-TA-f-vpt-1me-AF	Frequency Shifters, Deflectors	70~91 MHz	0.5~2 W	Programmable frequency
CARD-TE-f-vpt-1me-AF	Frequency Shifters, Deflectors	70~120 MHz	0.5~4 W	Voltage control 0~10V,Digital

Dimensions(mm):

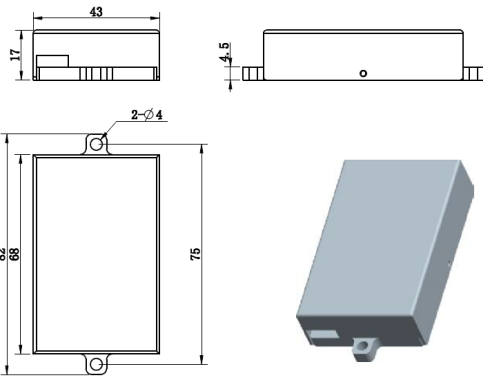
FA



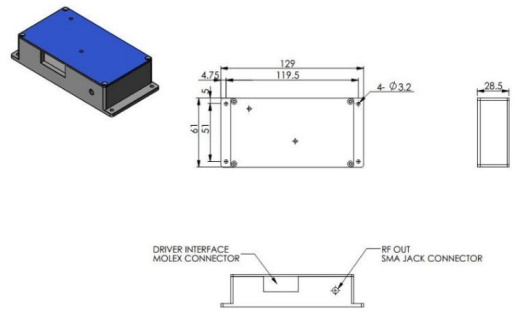
FB



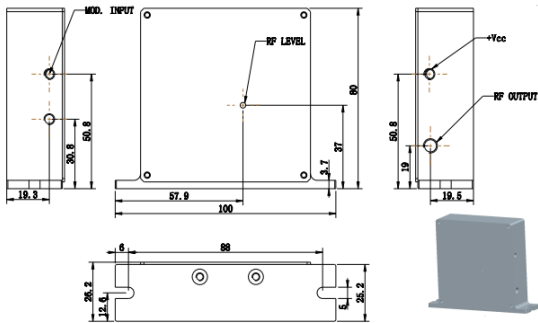
FG



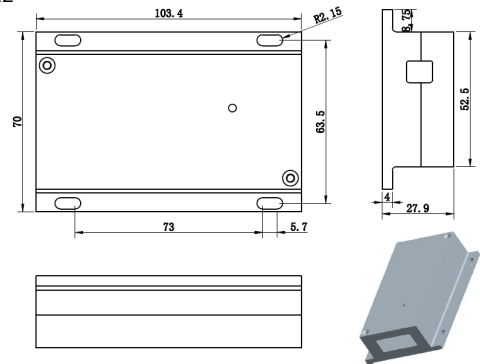
FD



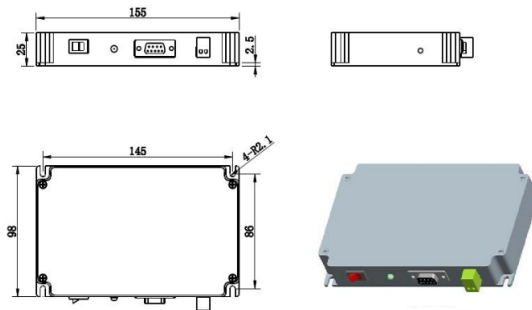
FE/TE



FE2



TA

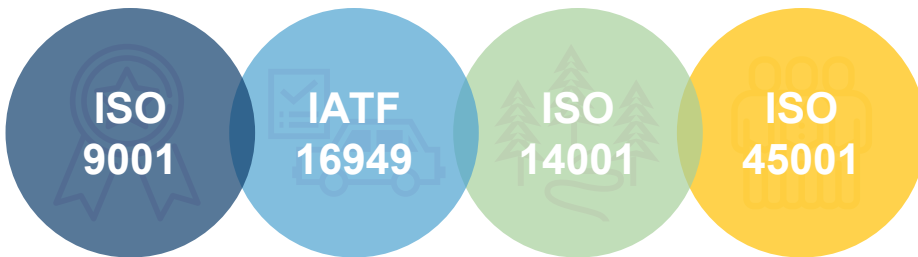


CASTECH INC.

Nonlinear Optical Crystals · Laser Crystals · Precision Optics · Laser Components

— ABOUT US —

CASTECH Inc. is a recognized leading supplier of crystals, optics and laser components in the world. Utilizing proprietary crystal growth, fabrication, and polishing techniques, CASTECH has developed a broad range of magneto-optic, acousto-optics, electro-optic, photoelastic and laser application components. Here at CASTECH, we value comity, integrity, honesty, and innovation. Our mission is to be your dependable partner to help you in growth.



- Founded in 1988 by FIRSM (Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences).
- A public company (2008, Shenzhen, China, Stock Code: 002222).
- Sales revenue over US\$80 millions.
- Over 1,000 employees.
- 40,000 m² facility.
- The ratio of domestic and international markets stands at 4:6.

— CONTACT US —



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