



Tomco Technologies
粒子加速器向け Solid-state RF パワーアンプシステム
各国施設への納入実績 (Europe, Asia and USA)

IPAC 12
International Particle Accelerator Conference 2012
Booth No.29
Industrial Exhibition



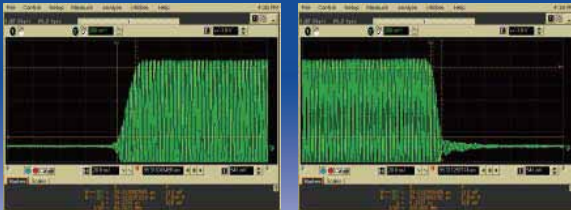
BT10K-Delta amplifier, 499.654MHz, 10kW CW
 Handles 100% power mismatch at full power, 7-in-8 PA redundancy
 Commissioned at Nagoya Synchrotron, March 2012
ourtesy of Central Japan Synchrotron Radiation Facility

 中部シンクロトン光利用施設 (仮称) 殿向け 10kW CW アンプ




BT10K-Alpha amplifier
 104.95MHz, 10kW CW
 Institute for Storage Ring Facilities,
 Aarhus University, Denmark

 Aarhus Univ. 向け 10kW CW アンプ



30kW pulse, 13ns rise time, 8ns fall time

BT30K-Delta, 324MHz, 30kW pulsed amplifier
 High power system, very fast pulse rise/fall times
 for beam chopper at Japan Proton Accelerator
 Research Complex (J-PARC)

 J-PARC 殿向け 30kW パルスアンプ
 (13ns rise time, 8ns fall time)

Supplied in 43RU rack to
 permit power upgrade if required



BT00500-Lambda-CW, 500W, 300-850MHz
 Broadband CW system
 Center for Accelerator Science, Old Dominion
 University



BT2K-Alpha, 112.6MHz 2kW CW
 Brookhaven National Laboratory



Modular system - detail
 of hot pluggable power
 supply modules



8 independent BT4K-Alpha amplifiers - 72.75MHz, 4kW CW
 100% power reflection handling
 Produced in 2 stages: stage 1 8x2kW amplifiers (shown in photo),
 stage 2 upgrade to 8 x 4kW



ATLAS, ANL 向け 8x2kW+8x4kW CW アンプ